LSUS

SHREVEPORT

2020-2021 ACADEMIC CATALOG

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.

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Louisiana State University Shreveport

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2020 – 2021

August 2020

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www.lsus.edu

Admissions and Records Office
Louisiana State University in Shreveport
One University Place
Shreveport, LA 71115
318/797.5061

Volume LIII, No. 1

Office of the Chancellor

A Message from the Chancellor

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

LSUS saw record enrollment and graduation rates in the 2019-2020 academic year, even with the challenges our nation faced due to COVID-19. We are, as ever, committed to providing every one of our 8,000+ students the tools they need to get the most out of their time at LSUS. Our *Student Success Center* has played a major role in enhancing the academic development of both our traditional and online students, offering them 24-hour access to tutoring, as well as academic and career counseling services. We are also proud to announce that we have acquired and rebranded our campus housing, *Pilots Pointe Apartments*, allowing us to offer an on-campus living experience that meets the needs of our student body.

Despite the impact of the campus closure due to COVID-19 in Spring 2020, we are in the final phases of opening the *CyberCollaboratory*, where students can work with cutting-edge technologies such as Artificial Intelligence, Cyber Security, Haptics, and Robotics in a project-based research environment. The 'Collab' goes hand-in-hand with our *Idea Space*, which was designed using the Stanford Design Thinking model of problem solving, a coveted methodology across academic, corporate, and government landscapes. In short, LSUS continues to evolve in the way we design and deliver educational offerings to our students, with an outcome-based focus on digital dexterity and emerging technologies.

In addition to maintaining the high academic standards of the university, LSUS students, faculty, and staff achieved great success on many different fronts this past year. One of our professors earned a National Endowment for the Humanities grant for a Dialogues on the Experience of War proposal "The Evolution of War Remembrance," the first NEH award of its kind in Louisiana. Our athletics teams have continued to hold their positions in the upper tier of the RRAC and NAIA conferences while maintaining excellence in the classroom by earning a cumulative GPA of over 3.0 for the first time in the university's history. Our Debate Team completed another successful campaign, capturing team and individual titles in IPDA tournaments.

LSUS continues to grow its influence in Northwest Louisiana, fostering partnerships with key strategic organizations such as Barksdale Global Strike Command, North Louisiana Economic Partnership, and the City of Shreveport to help create new opportunities for our students, and strengthen our region overall. *Red River Radio*, which covers the second-largest public radio footprint in the nation, celebrated its 35th anniversary this year. The university also acquired the *Spring Street Museum*, giving LSUS a footprint in downtown Shreveport and offering students the opportunity to engage in hands-on historical research of the region. These two jewels, along with the Pioneer Heritage Center, the James S. Noel Collection, and the NWLA Archives, form the university's newly branded Cultural Trail.

2020 has proven to be a challenging year and it has made us reflect on the way we interact with each other through the lenses of technology, health, education, race, and culture. This is a time when we must hold ourselves and others to the highest standards of academic, personal, and social integrity; and practice justice, equality, and compassion in human relations. 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 ones 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. Don't just be a Pilot; be the best Pilot that you can be!

Chancellor Larry Clark

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Louisiana State University Shreveport
2020 * ACADEMIC CALENDAR * 2021

Dates subject to change after printing.

Check the *Important Dates* page on the LSUS website for the most current information.

http://www.lsus.edu/offices-and-services/records-and-registration/important-dates

DATE	FALL 2020
	August
19	Fall Semester begins (faculty report to campus)
24	Classes begin – 1
31	Classes begin – AP1 & 1C
	September
07	Labor Day holiday – University offices closed
	October
08-09	Fall Break – University offices open
12-17	Mid-terms – 1
16-17	Final exams – AP1 & 1C
19	Classes end – AP1 & 1C
20	Grades due, 10:00am – 1 (Mid-term) / AP1 & 1C
26	Classes begin – AP2 & 1D
	November
26-28	Thanksgiving holiday – University offices closed
	December
05	Classes end – 1
07-12	Final exams – 1
11-12	Final exams – AP2 & 1D
14	Classes end – AP2 & 1D
15	Grades due, 10:00am – 1 / AP2 & 1D
18	Fall commencement, 2:00pm; Fall Semester ends
24-31	Winter holiday – University offices closed

	SPRING 2020
	January
01	Winter holiday – University offices closed
06	Spring Semester begins (faculty report to campus)
11	Classes begin – 1
11	Classes begin – AP1 & 1C
18	Martin Luther King, Jr. holiday – University offices closed
	February
15-16	Mardi Gras holiday – University offices open
26-27	Final exams – AP1 & 1C
	March
01	Classes end – AP1 & 1C
01-06	Midterms – 1
02	Grades due, 10:00am – AP1 & 1C
09	Grades due, 10:00am – 1 (Mid-term)
15	Classes begin – AP2 & 1D
22-27	Spring Break – University offices open

	April
02	Good Friday holiday – University offices closed
30	Final exams – AP2 & 1D
	May
01	Final exams – AP2 & 1D
01	Classes end – 1
03-08	Final exams – 1
03	Classes end – AP2 & 1D
04	Grades due, 10:00am – AP2 & 1D
11	Grades due, 10:00am – 1
14	Spring commencement date, 2:00pm; Spring Semester ends

SUMMER 2020

	May
10	Classes begin – AP1 & 1C
27	Summer semester begins (faculty report to campus)
31	Memorial Day holiday – University offices closed
	June
01	Classes begin – 1 & 1A
25-26	Final exams – AP1 & 1C
28	Classes end – 1A; AP1 & 1C
29	Final exams – 1A
29	Grades due, 10:00am – AP1 & 1C
30	Classes begin – 1B
	July
01	Grades due, 10:00am – 1A
04	Independence Day holiday – University offices closed
04	Classes begin – AP2 & 1D
28	Classes end – 1 & 1B
29	Final exams – 1B
	August
02-03	Final exams – 1
05	Grades due, 10:00am – 1 & 1B
11	Summer commencement date; Summer Semester ends
20-21	Final exams – AP2 & 1D
23	Classes end – AP2 & 1D
24	Grades due, 10:00am – AP2 & 1D

Administration

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www.regents.state.la.us

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www.lsu.edu/administration

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Administration

Administrative Officers of LSUS

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- Shelley Moore, B.A. – *Assistant to the Chancellor*
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- Kermit Poling, B.M. – *General Manager, Red River Radio Network*
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- Jennifer Hart, Ph.D. – *Director, First-Year Experience and Retention Initiatives*
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- Grace Nickels, M.B.A. – *Director, Student Advocacy and Accountability; Title IX Coordinator*
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- 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, Business, and Education, and Human Development. In June of 2014, LSUS received approval from SACSCOC to offer its first doctoral degree.

Mission

The mission of LSUS is to:

- **Educate** a diverse population of graduate and undergraduate students by promoting critical thought and student development through creative techniques and active learning.
- **Engage** in regional and global thought leadership through community collaboration and service.
- **Innovate** and foster opportunities to enhance the application of knowledge and intellectual discovery through faculty and student research and creative endeavors.

LSUS is committed to:

1. Student Success
2. Academic Excellence
3. Faculty and Staff Development
4. Community Engagement
5. Cultural Enrichment

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,
- Personal 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 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. Thomas Galligan is the Interim 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 the LSUS master plan. The Science Building, the original Library (currently the Technology Center), 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, the College of 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, KLDN Lufkin, and KTYK Overton with an additional transmitter at Grambling.

Health & Physical Education Building (5*), is a two-story facility housing the Athletic Department. It contains an indoor Olympic swimming pool, a multipurpose exercise room, *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 Olympic Development 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. Additionally, the library provides for access to a number of required etextbooks that come at no cost to students. The Library is also a select depository for United States Government Documents and receives all Louisiana State Documents. The LSUS Northwest Louisiana Archives 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 was modernized in 1998.

Technology Center (3*) renovated in 2003, the former library building provides space for Continuing Education and Public Service, the Department of Nursing, the Pioneer Heritage Center, Veterans Resource Center, 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. This building also includes the CyberCollaboratory.

University Center (4*) houses The Port (dining facilities), Barnes and Noble campus bookstore, gaming areas, lounge areas, an art gallery, meeting rooms, an auditorium, an events hall, student government offices, the Food Pantry, 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. It is also the location of GOLA Coffee Shop.

University Services

Intercollegiate Athletics

The Chancellor oversees Intercollegiate Athletics. The Office of Intercollegiate Athletics coordinates the LSUS varsity athletic programs. The LSUS Pilots compete in men's and women's soccer in the fall. In the winter, our men's 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 15 regular season conference titles, 22 conference tournament championships, and have made 43 appearances in the NAIA National Tournament. The men's basketball team has made 15 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 in 2017 and set the new win-streak record at 14 games. Men's and women's soccer returned to the campus 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.

Museums and Galleries

The **Museum of Life Sciences** is a research and teaching collection devoted to the scientific study of vertebrate animals (amphibians, reptiles, mammals, birds, and fish), mollusks, insects, spiders, crawfish, and vascular plants. The collection contains more than 71,000 scientific specimens representing the diversity of the flora and fauna of northwestern Louisiana, as well as regions throughout the United States and the world (including Mexico, Costa Rica, Nicaragua, Canada, Kenya, and India). Museum holdings are available for study by students, faculty, and visiting scientists; to other museums on loan, and to other institutions through an exchange system. The collections form the basis of more than 200 peer-reviewed scientific papers by LSUS students and faculty. The

museum promotes local natural history research, gives informative programs and scientific collection tours, 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.

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 Register 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.

In 2019, the LSUS Foundation acquired the **Spring Street Museum** in downtown Shreveport. The Museum, housed in one of Shreveport's oldest buildings, has been on the National Register of Historical Places since 1976 and its collection includes many historical artifacts, including vintage clothing dating back to 1835, antique toys, firearms and swords, photographs, antique maps, Persian rugs, and original 18th and 19th century furniture, accessories, and paintings. Revolving exhibits on the first floor offer insight into the Shreveport area's long and varied history. The Museum provides LSUS opportunities to help preserve that history for the public and to allow students hands-on learning experiences through internships, archeological projects, and primary source research.

The **University Center Art Gallery** 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

Pilots Pointe Apartments offers over 350 LSUS students the space and privacy of apartments with all the benefits of living on campus. From our spacious renovated floorplans and clubhouse to our amazing amenities, we are here to serve our residents by offering an academic environment coupled with recreational and social programming that enhances the overall college experience. For more information about Pilots Pointe, call 318/333.3407 or visit us on the web at www.pilotspointe.com.

Public Radio

The University operates the Red River Radio Network, five full-power public radio stations affiliated with NPR, the BBC, American Public Media 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, KLDN (88.9FM) serves the deep East Texas region, and KTYK (100.7FM) serves the Tyler, TX area. 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.

Veterans Resource Center

The Veterans Resource Center (VRC) provides guidance and services to all military and military-affiliated students and their families. The VRC works to ensure that students get the support they need to transition smoothly into an academic setting and civilian life. Through individualized resources and in-person social and educational workshops, the Center strives to create a student veteran community that helps students identify and achieve their goals and turn their military experience into academic and career assets. Services include academic support, career services, assistance with benefits, campus and community outreach, financial planning, internship and networking opportunities, life skills workshops, and volunteer opportunities. The Veterans Resource Center is located on the first floor of the Technology Center.

Academic Programs

Academic courses at LSUS are offered in departments organized into three 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
Nonprofit Administration and Research

College of Business

Accounting and Business Law
Economics and Finance
James K. Elrod Department of Health Administration
Management and Marketing

College of Education and Human Development

Education
Kinesiology and Health Science
Leadership Studies
Psychology

GRADUATE DEGREES	
Program	***Degree***
Biological Sciences *Cellular & Molecular, Computational Biology, Environmental Biology, Field & Organismal, Health Sciences*	Master of Science
Business Administration *Accounting, Data Analytics, Entrepreneurship & Family Enterprise, Finance, General Business, Hospitality & Casino Management, Human Resource Management, International Business, Marketing, Project Management*	Master of Business Administration
Computer Systems Technology *Biomedical Informatics, Business Administration, Computer Science, Cyber Security & Networking*	Master of Science
Counseling *Rehabilitation Counseling*	Master of Science
Curriculum and Instruction *Education STEM, Educational Technology Leader, English as a Second Language, General, Literacy & Reading, Urban Teaching & Leadership*	Master of Education
Educational Leadership *Teacher Leader*	Master of Education
Health Administration	Master of Health Administration
Leadership Studies *Leadership Studies, Military Leadership, Law Enforcement Leadership*	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 *Public Accounting*	Bachelor of Science
Biological Sciences *Cellular & Molecular, Environmental Science, Field & Organismal, Forensic Science*	Bachelor of Science
Chemistry *ACS Certified, Biochemistry*	Bachelor of Science
Community Health *Exercise Science, Health & Fitness Management, Health Behavior, Nonprofit Administration, Pre-Occupational Therapy, Pre-Physical Therapy, Strength & Conditioning*	Bachelor of Science
Computer Science *Cyber Security & Networking, Digital & Interactive Design, Information Systems, Software Development*	Bachelor of Science
Criminal Justice *Forensic Sciences, Generalist, Political Science, Security Studies*	Bachelor of Criminal Justice
Digital Arts	Bachelor of Fine Arts
Early Childhood Education (Gr. PreK-3)	Bachelor of Science
Elementary Education (Gr. 1-5)	Bachelor of Science
English *Literary Studies, Writing in Multiple Media*	Bachelor of Arts
Finance *Financial Analysis, Financial Planning, Insurance, Real Estate*	Bachelor of Science
General Business Administration *Entrepreneurship, International Business*	Bachelor of Science
General Studies	Bachelor of General Studies
History *Generalist, Political Science*	Bachelor of Arts
Management and Administration *Business Intelligence, Business Law, Human Resource Management, International Business, Management Information Systems*	Bachelor of Science
Marketing *Advertising Design, Data Analytics, Hospitality, International Business, Sales*	Bachelor of Science
Mass Communications *Electronic Media, Journalism, Public Relations*	Bachelor of Arts
Mass Communication *Digital/Broadcast Media, Journalism/Public Relations*	Bachelor of Science
Mathematics and Physics *Applied Physics, Mathematics, Theoretical Physics*	Bachelor of Science
Psychology	Bachelor of Science
Secondary Education (Gr. 6-12) *English, Mathematics, Science (Biology, Chemistry, Physics), Social Studies*	Bachelor of Science
Sociology	Bachelor of Arts

UNDERGRADUATE CERTIFICATE PROGRAMS
Business Fundamentals
Business Law
Small Business Management
PRE-PROFESSIONAL AND OTHER PREPARATORY STUDIES
Pre-Animal Science
Pre-Cardiopulmonary Science
Pre-Clinical Laboratory Sciences
Pre-Dental Hygiene
Pre-Engineering
Pre-Forestry and Wildlife
Pre-General Agriculture
Pre-Nursing
Pre-Occupational Therapy
Pre-Optometry
Pre-Pharmacy
Pre-Physical Therapy
Pre-Physician Assistant
Pre-Radiologic Technology
Pre-Rehabilitation Counseling
Pre-Veterinary Medicine

Accreditation

Louisiana State University in Shreveport is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award degrees at the Baccalaureate, Master's, Educational Specialist, and Doctoral levels. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097 or call 404/679.4500 for questions about the accreditation of LSU Shreveport.

Program Accreditation

The Council for Accreditation of Counseling and Related Education Programs (CACREP) accredits the Master of Science in Counseling program.

[CACREP, 500 Montgomery Street, Suite 350, Alexandria, VA 22314; phone: 703/535.5990]

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 College 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]

The Council on Education for Public Health (CEPH) accredits our undergraduate program in Community Health and master's program in Public Health.

[CEPH, 1010 Wayne Avenue, Suite 220, Silver Spring, MD 20910; phone: 202/789.1050]

The National Association of School Psychology approves the Specialist in School Psychology program.

[NASP, 4340 East West Highway, Suite 402, Bethesda, MD 20814; phone: 301/657.0270]

The Nonprofit Academic Centers Council (NACC) accredits our Masters in Nonprofit Administration program.

[NACC, http://www.nonprofit-academic-centers-council.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

Division of Continuing Education and Public Service

https://www.ce.lsus.edu

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.

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 seminar 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, represents 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.

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 an additional multi-session summer term. The University also offers some courses in an accelerated format. These courses are mainly offered 100% online during regular semesters (fall and spring) and during the summer term. A qualified applicant may register at the beginning of any semester or accelerated session, as applicable. However, complete admission records must be received in the Office of Admissions and Records well in advance, or in the case of the accelerated online sessions, by the prescribed deadline.

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. 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 Next Generation 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 Next Generation 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 within the past three years, 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 more than three years ago 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 conditionally admitted. Full admission will not be granted until the final transcript has been received and evaluated. The University may grant conditional 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 conditionally admitted. Full admission will not be granted until the final transcript has been received and evaluated. The University may grant conditional 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.***

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 the last three years, 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 (1030 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 (500 ERW) or ACCUPLACER Next Generation (250 on writing) score; **AND**
    - An ACT Mathematics score of 19 or greater or equivalent SAT (510 M) or ACCUPLACER Next Generation (250 on QRAS) score.
    - Must take ACT or SAT at least once in order for ACCUPLACER Next Generation 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 (1030 SAT CR&M); **OR**
- Have a 23 or greater on the ACT composite (1130 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 Next Generation (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 Next Generation 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 Next Generation), 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.

Conditional 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 conditional admission pending receipt of complete and satisfactory records. Upon receipt of all the required records of a conditionally 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 conditionally 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 admissions@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 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 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.

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 of all who enroll at LSUS. The amount of the fee shown 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.

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

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

Denied appeals must be paid within 10 days of receiving decision.

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 stopping payment on a check does 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. After enrolling in the payment plan, if a student adds additional classes to their schedule, the student is responsible for adjusting the payment plan balance on their payment plan account. LSUS will not increase a student's payment plan without their written permission.

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, 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 all prior debt is paid in

full (i.e. receivable balances, obligations, etc.). All student accounts must reflect a zero dollar balance to register for all semesters.

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	1st – 5th class day	6th – 10th class day	11th – 14th class day
8-week Fall, Spring, or Summer Semester	1st – 3rd class day	4th – 5th class day	6th – 7th class day
4-week Summer Semester	1st – 2nd class day	3rd class day	4th class day
Accelerated Online Sessions	1st – 3rd class day	4th – 5th class day	6th – 7th class day
Intersessions	1st class day	2nd class day	3rd 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.

Refund of Tuition Under a NelNet Payment Plan
Students utilizing a NelNet Tuition Payment Plan may be issued a refund if a class is dropped on or before the last day to drop for 100% refund. The payment plan balance will be adjusted/reduced by the available refund amount for any drops made after the 100% refund date. For example, if a student drops during the 40% refund period, the cost of tuition will be reduced by 40% and the unpaid balance of the 60% remaining is spread amongst the remaining monthly payments.

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 ADMINSTRATION

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

LSUS offers non-competitive Institutional Scholarships based on the admission application, as well as private, donor-funded scholarships. Specific scholarships are available only to incoming freshmen, while others are available to all LSUS students who meet eligibility requirements. For more information on scholarships, visit http://www.lsus.edu/admissions-and-financial-aid/financial-aid/types-of-aid/scholarships or contact Lisa Cameron, Director of Scholarships: 318/797.5054; lisa.cameron@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.
10. Students using GI Bill Benefits under Chapter 31 (Vocational Rehabilitation) to pay for tuition and fees must have an electronic Purchase Order (PO) form on file at the University prior to the University's fee payment deadline. The Vocational Rehab counselor submits the PO through the Tungsten Network.

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 GI Bill – Active Duty Program) or Chapter 33 (Post-9/11 GI 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 GI 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.

Military Tuition Assistance (TA)

Military members wanting to use TA benefits must see their Education Service Officer (ESO) at their current duty station prior to registering for classes. The service member will request TA through their services education portal. Assistance with the portal is provided by your ESO.

Military members will need to email their approved TA form with signatures to veterans@lsus.edu, please include your student ID in all communications. The military member will be responsible for paying the remaining balance, if any, of tuition and fees not covered with TA funds by the University's fee payment deadline. To find the payment deadline for all terms, go to Academic Calendar under Quick Links on the University's home page. The military member may use education benefits under Chapter 30 (Active Duty Montgomery) or Chapter 33 (Post-9/11) of the GI Bill to cover the portion of tuition and fees not covered by your TA. If you are using GI Bill TOP UP, you will also need to complete the process for using the GI Bill at LSU Shreveport. Below are links to the military services portals:

- USAF – https://aiportal.us.af.mil/aiportal/Account/ConsentToMonitor
- USA – https://www.goarmyed.com/Login.aspx
- NAVY – https://myeducation.netc.navy.mil/school_portal/consent.html

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.

Students Called into Military Service

LSUS greatly appreciates the dedication of our many students who continue to serve on active duty, in the National Guard, or Reserves while pursuing their education.

Your choice to serve should not negatively impact your academic progress at LSUS. If your military service leads to a deployment or activation that impacts your classes, we will work to provide the best accommodations for you. The Records Office will need a copy of your orders prior to deployment.

If you find yourself in this situation, please contact the Veterans Liaison immediately to discuss your options: 318/795.4130. Depending on your unique situation, you may want to pursue a class withdrawal, an incomplete, other alternate class arrangements (at instructor's discretion), or continue classes online.

Degree Requirements

Baccalaureate Degree Requirements

Specific requirements for each degree will be found in the catalog descriptions under the appropriate colleges and departments.[1]

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.

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[1]Unless 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

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

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

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

IId. 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.

IIe. 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

IIIa. 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.

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

IIIc. 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 stated 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.

Note: Departments and/or academic programs may require specific courses from the lists below. Students should check the curriculum page for their major for specific academic program requirements and prerequisites.

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

Approved English Composition courses:
ENGL 105, ENGL 115

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

Approved Social and Behavioral Sciences courses:
ECON 201, ECON 202, GEOG 251, GEOG 252, KHS 240, POLI 101, POLI 151, PSYC 152, PSYC 206, PSYC 209, SOCL 105, SOCL 107, SOCL 142, SOCL 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:
MATH 121, MATH 122, MATH 124, MATH 127, MATH 128, MATH 150, MATH 221, MATH 222, MATH 260

IV. **NATURAL SCIENCES (9 hrs.)** Students must take either six hours from approved Biological Sciences and three hours from approved Physical Sciences OR six hours from approved Physical Sciences and three hours from approved Biological Sciences.

Approved Biological Sciences courses:
BIOS 101, BIOS 104, BIOS 105, BIOS 106, BIOS 107, BIOS 108, BIOS 109, BIOS 110, BIOS 120
(Check curriculum page for specific academic program requirements and prerequisites.)

Approved Physical Sciences courses:
ASTR 105, ASTR 106, CHEM 106, CHEM 121, CHEM 124, ENSC 200, GEOL 105, GEOL 106, GEOL 205, PHSC 105, PHSC 106; PHYS 251, PHYS 252, PHYS 261, PHYS 262 (Check curriculum page 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 Literature/Philosophy courses:
ENGL 205, ENGL 206, ENGL 210, ENGL 215, ENGL 220, PHIL 105, PHIL 250

b. Humanities (6 hrs.)

Approved Humanities courses:
COMM 130, COMM 135, ENGL 205, ENGL 206, ENGL 210, ENGL 215, ENGL 220, HIST 105, HIST 106, HIST 107, HIST 110, HIST 145, HIST 146, MCOM 115, MCOM 215, PHIL 105, PHIL 250.

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

Approved Fine/Performing Arts courses:
FA 140, FA 240, FA 241, MUS 120, THEA 160, THEA 240, THEA 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: FS 101 (College of Business majors); FS 102 (School of Education and Human Sciences majors); FS 103 (School of Humanities and Social Sciences majors); FS 104 (School of Mathematics and Sciences majors).

Degree Completion

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.

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.*) Students are assigned the catalog of record in effect at the time of entry to the University. This catalog may be used for a maximum of 10 years, provided enrollment is not interrupted for two or more consecutive traditional 15-week semester or four accelerated 7-week terms. See *GRADUATE STUDIES* for regulations that apply to graduate students.

A student may elect to be evaluated for graduation from any catalog in effect during the time he or she has been enrolled, provided that enrollment has been continuous, and the student does not change majors. If a student changes majors, he or she will be evaluated for graduation using the catalog in effect at the time of the change, or any subsequent catalog as long as the student in continuously enrolled.

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.

Earning a 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:

Honor	Grade Point Average
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.

Requirements for an Undergraduate Concentration

An *area of concentration* is an alternative track of courses within a major, accounting for *at least 30 percent* of the major requirements. Establishment of an area of concentration does not require prior approval by the Board of Regents. Areas of concentration are available within most undergraduate curricula. For additional information, see the curricula listed in the appropriate college section.

With the permission of the dean's office offering the concentration, students may earn multiple areas of concentration within a major. To do so, they must declare a primary area of concentration and fulfill all requirements for each area of concentration. Each declared area of concentration must include a minimum of six hours of coursework that is unduplicated in any other area of concentration.

Requirement for a Minor

A *minor* is that part of a degree program consisting of a specified group of courses in a particular discipline or field. Establishment of a minor does not require prior approval of the Board of Regents. The minor usually consists of *15 percent* or more of the total hours required in an undergraduate curriculum. Minors are established by departmental, school, or college faculties. Once a minor has been established, students are subject to the following rules and procedures:

- When a student wished to pursue a minor, the student must obtain permission from his/her dean's office.
- The course requirements for the minor, including prerequisites, as published in the *LSUS General Catalog*, must be followed. Any substitutions in the minor must be approved by the faculty advisor in the department of the college offering the minor and the student's dean's office.
- A student following a particular catalog for the major field typically follows the minor requirements stated in the same catalog. Exceptions must be approved by the student's dean's office.
- A student must earn a minimum 2.00 GPA in the minor field, although some faculties may impose higher minimum GPA requirements.

- Courses used to satisfy the minor may not be taken on a pass/fail basis, except with permission from the department and the student's dean's office.
- Degree requirements for minors will be verified by the college in which the student is enrolled. The minor should be declared no later than the semester prior to graduation. All course requirements for the minor must be completed by the time of graduation.
- Minors will not be awarded retroactively after the conferral date.

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.*

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.

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 enrollment under AEP or Dual Enrollment and their first semester 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

The process for appealing course grades consists of up to three steps, which must be followed in order, 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 Dean of the College.

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. Neither a lower than expected grade nor the alleged difficulty of a course or test warrants an appeal. 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 through the Student Appeal Form (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 a Student Appeal Form with the Chair of the Department offering the course. The form must be signed and either scanned via email or submitted in person to the chair of the instructor's department. 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. 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 the college.

Step 3: Continue the appeal to the Dean of the College. 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 the College. The Dean will then review the documentation of the appeal and will 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 tenured, Full Professors 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 or Zoom, as needed. The panel will then make a recommendation to the Dean of College 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 the College also notifies the department chair, the program director, and the instructor. If the decision requires change in an official University record, the Chief Academic Officer must comply with all University regulations and procedures necessary to accomplish the change. The decision of the Chief Academic 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.

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 change for the original (first) card.

*Replacement care – 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. View Policy Statement 2.29.00 (Definition of Credit Hour) here.

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 ENGL 105
ACT English 32+	Credit awarded for ENGL 115
ACT Mathematics 26+	Credit awarded for MATH 121
ACT Mathematics 30+	Credit awarded for MATH 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) and DANTES (DSST): Subject Examinations

The student submits official scores earned on tests to the Office of Admissions and Records for review of credit. Students should check the LSUS website, https://www.lsus.edu/offices-and-services/records-and-registration/ap-and-clep-credit, to ensure credit earned from the CLEP or DSST exam is accepted by the University. 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. (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.

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 maximums apply to the use of such credits toward fulfilling degree requirements:

1. Credit from a combination of credits by examination, military formal education, correspondence courses and extension courses may not exceed 62 semester hours.
2. Of the 62 semester hours, no more than 32 semester house from a combination of correspondence (including CLEP, DANTES courses), extension courses and military formal education may count toward a degree.

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 legal 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. LSUS has established procedures which would allow students, if so desired, to use a preferred first name different than their legal first name on certain University records. Information regarding legal or preferred name changes 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 harassment, stalking, and any other conduct of a sexual nature that has the purpose or effect of threatening, intimidating, coercing, or harming 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

LSUS employees (excluding Counseling Services staff and Confidential Advisors) are responsible employees; therefore, they are required to promptly notify the Title IX Coordinator of incidents of sexual misconduct. LSUS investigates incidents of sexual misconduct 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 options, information well be handled by trained university personnel, and procedures will be followed in a timely manner. Supportive measures, such as no contact agreements or alternative class, work, or housing arrangements may be implemented.

Information will be kept confidential by LSUS personnel and only shared on a need-to-know basis in order to properly address the complaint. Violations of confidentiality may result in disciplinary action.

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 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) and via email at police@lsus.edu.

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, 318/797.5116, or titleix@lsus.edu. 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, 318/797.5116, or saa@lsus.edu.

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;
- explore internship and job leads in the field they hope to enter; and
- 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) by calling 318/797.5062 and/or review the 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;
- Stress reduction programming;
- Mental health outreach; and
- Online self-help platform and mobile app.

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

Pilots Pointe Apartments offers over 350 LSUS students the space and privacy of apartments, with all the benefits of living on campus. Spacious renovated floorplans and clubhouse to serve residents by offering an academic environment coupled with recreational and social programming that enhances the overall college experience. For more information about Pilots Pointe, call 318/333.3407 or visit us on the web at www.pilotspointe.com.

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. The Dean of Students assists both students with disabilities and the University in accomplishing this goal. The Dean of Students 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. The Dean of Students 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 the Dean of Students, located in room 208 of the Administration Building, or call 318/797.5116.

Student Success Center

The Student Success Center aspires to empower LSUS students to cultivate the personal and academic skills necessary to be independent, lifelong learners and engaged members of the global community. The 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 workshops. The Student Success Center became a national certified tutoring program on May 03rd, 2017, through the College Reading and Learning Association (CRLA). This means each tutor has met the approved tutor training program requirements set forth by the International Tutor Training Program Certification (ITTPC), participated in a minimum of 15 hours of training, and has a minimum of 25 hours of tutoring experience. The Student Success Center currently serves the entire LSUS campus population (undergraduate, graduate, and online) by offering free tutoring, academic coaching, workshops, and supplemental instruction (SI). The 5,800 square foot center provides students with an excellent experience and learning environment. This is a vital recruiting tool in bringing the brightest students to enroll at LSUS. The facility has numerous study spaces, small group meeting rooms, a computer lab, and Wi-Fi for access to the internet and other technology.

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 who need academic help. 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 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 15 regular season conference titles, 22 conference tournament championships, and have made 43 appearances in the NAIA National Tournament. The men's basketball team has made 15 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 in 2017 and set the new win-streak record at 14 games. Men and women's soccer returned to the campus 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

6-Conference Regular Season Championships:
2005, 2011, 2012, 2014, 2018, 2019

12-Conference Tournament Championships:
1997, 2006, 2007, 2008, 2010, 2011, 2012, 2013, 2015, 2016, 2017, 2019

6-NAIA Regional Tournament Qualifier (old format):
1997, 2003, 2005, 2006, 2007, 2008

11-NAIA Baseball National Championship Opening Round Appearances (new format began in 2009):
2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019

3-NAIA World Series Appearances:
2003 (3rd place finish), 2011 (4th place finish), 2012 (3rd place finish)

MEN'S BASKETBALL

6-Conference Regular Season Championships:
2005, 2006, 2008, 2010, 2014, 2018

8-Conference Tournament Championships:
2006, 2007, 2008, 2009, 2010, 2011, 2012, 2020

16-NAIA National Tournament Appearances:
2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020

3-Elite Eight Appearances:
2012, 2013, 2018

2-Fab Four Appearances:
2013, 2018

WOMEN'S BASKETBALL

1-Regular Season Championship:
2018

3-Conference Tournament Titles:
2017, 2018, 2020

9-NAIA National Tournament Appearances:
2009, 2010, 2012, 2013, 2015, 2016, 2017, 2018, 2020

MEN'S SOCCER

1-Conference Regular Season Championship
2018

1-NAIA National Tournament Appearance
2019

WOMEN'S SOCCER

1-Conference Regular Season Championship:
2006

1-Conference Tournament Championship
2018

3-National Tournament Appearances:
2005, 2007, 2018

Barnes and Noble Campus Bookstore

The Barnes and Noble Campus Bookstore is located on the first floor of the University Center (UC). Its 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. It 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, food pantry, 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. It 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 the on-site kitchen so you can be assured of the quality. Visit us online for dining hours and menu information at http://www.lsus.edu/student-life/university-center/dining-services.

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 categories of clubs and organizations:

ACADEMIC AND PROFESSIONAL CLUBS
FAITH-BASED ORGANIZATIONS
GREEK LIFE
HONOR SOCIETIES
PROFESSIONAL ASSOCIATIONS
SPECIAL INTEREST GROUPS
SPIRIT GROUPS
SPORTS CLUBS
STUDENT MEDIA

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 here 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:	Rachael Green, Associate Librarian; Chair, Research and Instructions Services
	Debra Harmon, Assistant Librarian; Head, Access Services and Systems
	Jessica Hawkes, Assistant Librarian; Research and Instruction Services
	Martha Lawler, Associate Librarian; Director, James Smith Noel Collection
	Sarah Mazur, Assistant Librarian; Head, Resource Management and Discovery
	Laura McLemore, Curator; Archivist, LSUS Northwest Louisiana Archives
	Robert Miciotto, Medical Historian-in-Residence; Archives and Special Collections
	Alexander Mikaberidze, Curator; Noel Collection
	Kay Slattery, Associate Librarian; Research and Instruction 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.

Research and Instruction Services

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	TC141	798.4173
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, Painting

Professional and Career Vocational
- Photography, Computer, Language and Writing
- Nonprofit, Paralegal, Safety
- Insurance/Finance (**This program is not covered by AACSB accreditation.**)
- Leadership Management (**This program is not covered by AACSB accreditation.**)
- Customized Training, Conferences, Non-Credit Certificate Programs

Health and Fitness
- Lifetime Fitness, Medical, Nursing

Exam Preparation
- Private Investigator License Exam
- ACT, SAT, GRE, GMAT, LSAT, Accuplacer,
- TABE, CLEP, Notary Exam Prep

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.

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.

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, TABE, DANTES-funded CLEP

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.

College of Arts and Sciences

www.lsus.edu/la

Faculty and Staff

Dean:	Tibor Szarvas	BH226	797.5371
Associate Dean:	Elisabeth Liebert (Interim)	BH226	797.5371
Academic Advisor:	Christopher Floyd	BH210	797.5256

Directors

American Studies Program:	William Pederson	BH321	797.5349
General Studies:	Mary Jarzabek	BH318	797.5318
India Studies Program:	Sanjay Menon	BH212	797.5315
Institute for Nonprofit Administration and Research:	Greg Thompson	BH123	795.4243
Red River Regional Studies:	Gary Joiner	BH453	798.4176
Red River Watershed Management Institute:	Mike Maguigan	SC121	797.5041

Graduate Program Directors

Master of Arts in Liberal Arts:	Elisabeth Liebert	BH226	797.5371
Master of Science in Biological Sciences:	Amy Erickson	SC125	797.5105
Master of Science in Computer Systems Technology:	Subhajit Chakrabarty	TC250	795.4283
Master of Science in Nonprofit Administration:	Stacey Hargis (Interim)	BH119	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 Arts[1] 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. ENGL 115 with a grade 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 concentration[2].
5. The assessment procedures of their major.

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

[2]Transfer 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 Certificate Program

Nonprofit Administration Certificate 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 Certificate Program should be directed to Stacey Hargis, Interim Program Director, Bronson Hall, room 119.

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.

Pre-Law 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

Red River Regional Studies pursues interdisciplinary studies, research, and services directed toward all aspects of the Red River region, with a special emphasis on archival, historical, field studies, and social sciences services.

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.

Arts and Media

Chair:	Jason Mackowiak	BH124	797.5198
Faculty:	Robert Alford	BH316	797.5283
	La Wanda Blakeney	BH354	797.5051
	Allen Garcie	BH126	795.4253
	Vinayaka Gude	BH142	797.5198
	Ronald Hooper	BH122	795.4204
	Vikki Hrody	BH120	798.4116
	Mary Jarzabek	BH318	797.5318
	Claire Joa	BH352	797.5367
	Linda Webster	BH315	797.5376

BACHELOR OF FINE ARTS IN DIGITAL ARTS (BFA)

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. All creative works produced during courses and other educational endeavors offered through the Department of Arts and Media shall be retained by, and become property of, the department for promotional purposes including, but not limited to, university-sanctioned events, advertising, websites/webpages, and social media accounts.

Digital Arts Core Curriculum: FA 100, FA 200, FA 283, DA 110, DA 150, DA 210, DA 220, DA 250, DA 315, DA 450, DA 498

DIGITAL ARTS
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 103 or free elective^	3	Mathematics*	3
ENGL 105, 115*	6	Natural Sciences*	3
FA 100, 200	6	FA 283	3
DA 110, 150	6	DA 210, 220, 250	9
COMM 135*	3	PHIL 105 or 250*	3
Digital Arts elective	3	Digital Arts elective	3
Mathematics*	3	Approved electives	6
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
Natural Sciences*	3	Social and Behavioral Sciences*	3
HIST 105, 106, or 107*	3	Natural Sciences*	3
FA 240 or 241*	3	Approved elective	3
DA 315	3	DA 450, 498	6
Digital Arts electives	9	Digital Arts electives	15
Approved electives	6		30
Social and Behavioral Sciences*	3		
	30		

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

Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

BACHELOR OF ARTS IN MASS COMMUNICATIONS (BA)

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

MASS COMMUNICATIONS
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 103 or free elective^	3	MCOM 295	3
ENGL 105, 115*	6	Natural Sciences*	6
Mathematics*	6	Fine/Performing Arts[BA]	3
MCOM 151, 215	6	Foreign Language[BA]	6
PHIL 105 or 250*,[BA]	3	Humanities*	3
Social and Behavioral Science*	3	Social and Behavioral Science*	3
Fine/Performing Arts*	3	Approved electives	6
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
Concentration courses	6	Concentration courses	9
MCOM 320	3	MCOM 498	3
Foreign Language[BA]	3	200-level Literature [BA]	3
HIST 105, 106, or 107[BA]	6	Approved electives	15
Natural Sciences*	3		30
Humanities*	3		
Approved electives	6		
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[BA]Additional Bachelor of Arts (B.A.) requirements. ***See ADDITIONAL REQUIREMENTS FOR ALL BACHELOR OF ARTS PROGRAMS under COLLEGE OF ARTS AND SCIENCES.***

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

- **Electronic Media:** MCOM 271 (3 hours), MCOM 285, MCOM 381, MCOM 455, and 3 additional hours of Mass Communication courses.
- **Journalism:** MCOM 313, MCOM 317, and 9 additional hours of Mass Communication courses.
- **Public Relations:** MCOM 411, MCOM 480, and 9 additional hours of Mass Communication courses.

BACHELOR OF SCIENCE IN MASS COMMUNICATION (BS)

Students majoring in **Mass Communication (BS)** may select one of two available concentrations: Digital/Broadcast Media or Journalism/Public Relations.

MASS COMMUNICATION
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 103 or free elective^	3	Social and Behavioral Sciences*	3
Natural Sciences*	3	Humanities*	3
Social and Behavioral Sciences*	3	Natural Sciences*	3
Fine/Performing Arts*	3	Mathematics*	3
Mathematics*	3	MCOM 295, 320	6
ENGL 105, 115*	6	Concentration Courses	6
MCOM 151, 215	6	Free electives	6
MCOM 230 or 231	3		30
	30		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
Humanities*	6	MCOM 450, 498	6
Natural Sciences*	3	Concentration Course	3
MCOM 333 or 433	3	Mass Communication Elective	3
MCOM 449	3	Free electives	18
Concentration Course	3		30
Mass Communication Elective	3		
Free electives	9		
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

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

- **Digital/Broadcast Media:** MCOM 252, MCOM 285, MCOM 381, MCOM 455
- **Journalism/Public Relations:** MCOM 305, MCOM 313, MCOM 317, MCOM 480

English and Foreign Languages

Chair:	Terry Harris	BH258	797.5369
Faculty:	Sam Cannon	BH215	797.5148
	Thomas Du Bose	BH253	797.5250
	Dorie LaRue	BH237	797.5248
	Elisabeth Liebert	BH226	797.5371
	Cleatta Morris	BH217	797.5304
	Evan Reibsome	BH255	797.5251
	Kathleen Smith	BH227	797.5270
	Helen Taylor	AD246	797.5374
	Kristie Weeks	BH235	797.5139

BACHELOR OF ARTS IN ENGLISH (BA)

ENGLISH
Literary Studies
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 103 or free elective^	3	ENGL 205*	3
ENGL 105, 115*	6	ENGL 210[BA]	3
COMM 135*	3	ENGL 200, 206	6
Foreign Language[BA]	6	FA 140*	3
HIST 105, 106, or 107[BA]	6	Foreign Language[BA]	3
Mathematics*	3	Foreign Language	3
Natural Sciences*	3	Natural Sciences*	6
	30	Mathematics*	3
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
Writing and Language	3	Studies in Literature	3
Studies in Literature	9	English Electives	12
Studies in Literary Traditions	3	FA 240 or 241[BA]	3
PHIL 105 or 250*	3	Major Authors	3
Social and Behavioral Sciences*	6	Approved Electives	6
Approved Electives	6	ENGL 489	3
	30		30

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[BA]Additional Bachelor of Arts (B.A.) requirements. ***See ADDITIONAL REQUIREMENTS FOR ALL BACHELOR OF ARTS PROGRAMS under COLLEGE OF ARTS AND SCIENCES.***

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

- Sophomore English: ENGL 200, ENGL 205, ENGL 206, and ENGL 210 (12 hours)
- Studies in Medieval Literature: ENGL 406*, ENGL 407, or ENGL 490 (3 hours)
- Studies in Early-Modern Literature: ENGL 408*, ENGL 409*, ENGL 410, ENGL 420, ENGL 425*, ENGL 430, ENGL 435*, or ENGL 490 (3 hours)
- Studies in Literature from the Romantics to the Present Day: ENGL 435*, ENGL 440, ENGL 450, ENGL 455, ENGL 460, ENGL 465, or ENGL 490 (3 hours)
- Studies in American Literature: ENGL 470, ENGL 471, ENGL 475, ENGL 478, or ENGL 490 (3 hours)
- Studies in Literary Traditions: ENGL 400*, ENGL 405, ENGL 412, ENGL 435*, ENGL 485, or ENGL 490 (3 hours)
- Major Authors: ENGL 406*, ENGL 408*, ENGL 409*, ENGL 425*, or ENGL 490 (3 hours)
- Writing and Language: ENGL 226, ENGL 301, ENGL 325, ENGL 326, ENGL 328, ENGL 400*, ENGL 426, ENGL 428, ENGL 429, or ENGL 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: ENGL 489 (3 hours)

**Can satisfy the requirement in one category only.*

ENGLISH
Writing in Multiple Media
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 103 or free elective^	3	ENGL 205*	3
ENGL 105, 115*	6	ENGL 210[BA]	3
COMM 135*	3	ENGL 200, 206	6
Foreign Language[BA]	6	FA 140*	3
HIST 105, 106, or 107[BA]	6	Foreign Language[BA]	3
Mathematics*	3	Foreign Language	3
Natural Sciences*	3	Natural Sciences*	6
	30	Mathematics*	3
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
Concentration hours (200+)	9	Concentration hours (300+)	6
Social and Behavioral Sciences*	6	Concentration hours (400+)	6
DA 110, FA 240, or FA 241[BA]	3	English electives	9
PHIL 105 or 250*	3	Approved electives	6
English electives	3	ENGL 489	3
Approved Electives	6		30
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[BA]Additional Bachelor of Arts (B.A.) requirements. ***See ADDITIONAL REQUIREMENTS FOR ALL BACHELOR OF ARTS PROGRAMS under COLLEGE OF ARTS AND SCIENCES.***

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

- Sophomore English: ENGL 200, ENGL 205, ENGL 206, and ENGL 210 (12 hours)
- Concentration hours (200+): ENGL 202, ENGL 226, ENGL 301, ENGL 302, ENGL 325, ENGL 326, MCOM 215 (9 hours)*
- Concentration hours (300+): ENGL 301, ENGL 302, ENGL 325, ENGL 326, ENGL 400, ENGL 426, ENGL 428, ENGL 429, ENGL 499 (6 hours)*
- Concentration hours (400+): ENGL 400, ENGL 426, ENGL 428, ENGL 491, ENGL 499 (6 hours)*
- English Electives are to be chosen from Writing Concentration 300+ hours, Studies in Medieval Literature: ENGL 406, ENGL 407, or ENGL 490; Studies in Early Modern Literature: ENGL 408, ENGL 409, ENGL 410, ENGL 420, ENGL 425, ENGL 430, ENGL 435, or ENGL 490; Studies in Literature from the Romantics to the Present Day: ENGL 435, ENGL 440, ENGL 450, ENGL 455, ENGL 460, ENGL 465, or ENGL 490; Studies in American Literature: ENGL 470, ENGL 471, ENGL 475, ENGL 478; Studies in Literary Traditions: ENGL 400, ENGL 405, ENGL 412, ENGL 435, ENGL 485, or ENGL 490; or Major Authors: ENGL 406, ENGL 408, ENGL 409, ENGL 425, or ENGL 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: ENGL 489 (3 hours)

**With the exception of ENGL 499, 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, ENGL 325 may be used towards the 200+ or the 300+ category requirement, but not both.*

History and Social Sciences

Chair:	Gary Joiner	BH437	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	BH453	797.5333
	Riley Young	BH339	797.5123

BACHELOR OF ARTS IN HISTORY (BA)

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

1. A minimum of 42 hours in History, including HIST 105, HIST 106, HIST 107, HIST 145, HIST 146, HIST 299, and HIST 499.
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 HIST 105, HIST 106, HIST 107, HIST 145, and HIST 146.
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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 103 or free elective^	3	HIST 145*	3
HIST 105, 106[BA]	6	HIST 107, 146	6
ENGL 105, 115*	6	ENGL 205[BA]	3
Foreign Language[1,BA]	6	English (200-level literature)	3
Mathematics*	6	POLI 151	3
POLI 101*	3	Natural Sciences*	6
	30	Communication	3
		Foreign Language[1,BA]	3
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ECON 201 or 202*	3	History	18
History	3	HIST 499	3
HIST 299	3	Humanities*	3
PHIL 105 or 250*,[BA]	3	Humanities	3
Political Science 200+	3	Social and Behavioral Sciences	3
Fine/Performing Arts*	3		30
Fine/Performing Arts[BA]	3		
Geography	3		
Social and Behavioral Sciences	3		
Natural Sciences*	3		
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[BA]Additional Bachelor of Arts (B.A.) requirements. ***See ADDITIONAL REQUIREMENTS FOR ALL BACHELOR OF ARTS PROGRAMS under COLLEGE OF ARTS AND SCIENCES.***
[1]*The student shall complete nine hours in one Foreign Language.*

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

1. A minimum of 42 hours in History, including HIST 105, HIST 106, HIST 107, HIST 145, HIST 146, HIST 299, and HIST 499.
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 HIST 105, HIST 106, HIST 107, HIST 145, and HIST 146.

HISTORY
Political Science
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 103 or free elective^	3	HIST 145*	3
HIST 105, 106[BA]	6	HIST 107, 146	6
ENGL 105, 115*	6	ENGL 205[BA]	3
Foreign Language[1,BA]	6	PHIL 105 or 250*,[BA]	3
MATH 121*	3	POLI 151	3
COMM 135*	3	Natural Sciences*	6
POLI 101*	3	Mathematics*	3
	30	Foreign Language[1,BA]	3
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ECON 201 or 202*	3	History	18

History	3	HIST 499	3
HIST 299	3	POLI 307, 316, or 317	3
POLI 203, 204, or 256	3	POLI 411, 427	6
POLI 211, 330	6		30
Political Science 200+	3		
Fine/Performing Arts*	3		
Fine/Performing Arts[BA]	3		
Natural Sciences*	3		
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[BA]Additional Bachelor of Arts (B.A.) requirements. ***See ADDITIONAL REQUIREMENTS FOR ALL BACHELOR OF ARTS PROGRAMS under COLLEGE OF ARTS AND SCIENCES.***
[1]The student shall complete nine hours in one Foreign Language.

BACHELOR OF ARTS IN SOCIOLOGY (BA)

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
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 103 or free elective^	3	English (200-level literature)	3
ENGL 105, 115*	6	English (200-level literature)[BA]	3
HIST 105, 106, or 107[BA]	3	PSYC 152*	3
Foreign Language[1,BA]	6	PSYC 212, 216	6
Mathematics*	6	Natural Sciences*	6
SOCL 105 or 107*	3	Foreign Language[1,BA]	3
SOCL 142	3	Humanities*	3
	30	HIST 105, 106, or 107[BA]	3
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
HIST 145 or 146*	3	Fine/Performing Arts*	3
SOCL 330	3	Fine/Performing Arts[BA]	3
Natural Sciences*	3	PHIL 105 or 250*,[BA]	3
Sociology Electives	6	Sociology 300+	9
Sociology 300+	9	SOCL 465	3
Approved electives (200+)	6	Social Sciences 300+	3
	30	Approved electives 300+	6
			30

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[BA]Additional Bachelor of Arts (B.A.) requirements. ***See ADDITIONAL REQUIREMENTS FOR ALL BACHELOR OF ARTS PROGRAMS under COLLEGE OF ARTS AND SCIENCES.***
[1]The student shall complete nine hours in one Foreign Language.

BACHELOR OF CRIMINAL JUSTICE (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 ENGL 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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 103 or free elective^	3	ENGL 205, 206, 210, 215, or 220*	3
ENGL 105, 115*	6	Humanities*	3
Mathematics*	3	Natural Sciences*	6
CJ 107	3	Mathematics*	3
CSC 115 or ISDS 150	3	CJ 211, 214, 216	9
SOCL 105*	3	HIST 146	3
HIST 145*	3	Social and Behavioral Sciences*	3
PSYC 152	3		30
POLI 151*	3		
	30		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
PHIL 105 or 250*	3	Psychology 200+	3
ENGL 325	3	Criminal Justice 300+	12
CJ 320, 322, 330, 431, 453	15	CJ 411, 430	6
Criminal Justice Elective	3	Fine/Performing Arts*	3
Foreign Language[1]	6	Natural Sciences*	3
	30	Approved elective	3
			30

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

Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

[1]*The student shall complete six hours in one Foreign Language.*

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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 103 or free elective^	3	ENGL 205, 206, 210, 215, or 220*	3

ENGL 105, 115*	6	Humanities*	3
Mathematics*	3	BIOS 110*, 110L	4
CJ 107	3	CHEM 121*, 121L	4
CSC 115 or ISDS 150	3	Mathematics*	3
PSYC 152	3	CJ 211, 214	6
POLI 151*	3	HIST 146	3
SOCL 105*	3	Psychology 200+	3
HIST 145*	3	Free elective	1
	30		30
JUNIOR YEAR	Sem. Hrs.	SENIOR YEAR	Sem. Hrs.
BIOS 120*, 120L	4	PHIL 105 or 250*	3
CHEM 124, 124L, 255, 255L	8	ENGL 325	3
CJ 310, 320, 322, 330	12	Approved 300/400-level elective	3
Foreign Language[1]	6	CJ 365, 403, 410, 430, 453	15
	30	Criminal Justice 300+	3
		Fine/Performing Arts*	3
			30

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]The student shall complete six hours in one Foreign Language.

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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 103 or free elective^	3	ENGL 205, 206, 210, 215, or 220*	3
ENGL 105, 115*	6	Humanities*	3
Mathematics*	3	Natural Sciences*	6
CJ 107	3	Mathematics*	3
CSC 115 or ISDS 150	3	POLI 211	3
PSYC 152	3	CJ 214, 216	6
POLI 151*	3	HIST 146	3
SOCL 105	3	PHIL 105 or 250*	3
HIST 145*	3		30
	30		
JUNIOR YEAR	Sem. Hrs.	SENIOR YEAR	Sem. Hrs.
Natural Sciences*	3	Psychology 200+	3
POLI 101, 330	6	Free elective 300+	3
POLI 203, 204, or 256	3	ENGL 325	3
CJ 320, 322, 431, 453	12	POLI 307, 316, or 317	3
Foreign Language[1]	6	POLI 411, 427	6
	30	Political Science 300+	3
		CJ 430	3
		ECON 201 or 202*	3
		Fine/Performing Arts*	3
			30

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]The student shall complete six hours in one Foreign Language.

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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 103 or free elective^	3	ENGL 205, 206, 210, 215, or 220*	3
Mathematics*	3	Humanities*	3
ENGL 105, 115*	6	Natural Sciences*	6
CJ 107	3	Mathematics*	3
CSC 115 or ISDS 150	3	CJ 211, 214, 216	9
SOCL 105*	3	HIST 146	3
HIST 145*	3	Social and Behavioral Sciences*	3
PSYC 152	3		30
POLI 151*	3		
	30		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
PHIL 105 or 250*	3	Psychology 200+	3
ENGL 325	3	CJ 400, 402, 404, 410, 411, 430	18
CJ 320, 322, 330, 408, 453	15	Fine/Performing Arts*	3
Foreign Language[1]	6	Natural Sciences*	3
Criminal Justice elective	3	Approved elective	3
	30		30

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]The student shall complete six hours in one Foreign Language.

BACHELOR OF GENERAL STUDIES (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, GS 491, 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. Free 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 GS 491.
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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 103 or free elective^	3	Area of Concentration	12
ENGL 105, 115*	6	Natural Sciences*	3
Mathematics*	6	Social and Behavioral Sciences*	3
Natural Sciences*	6	COMM 135*	3
Humanities*	3	Enrichment electives	9
Social and Behavioral Sciences*	3		30
Fine/Performing Arts*	3		
	30		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
Area of Concentration	15	GS 491	3
ENGL 226 or 325	3	Area of Concentration	9
Enrichment electives	6	Enrichment electives	9
Free electives	3	Free electives	9
Humanities*	3		30
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

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)

The Master of Arts in Liberal Arts at LSU Shreveport offers students a flexible, interdisciplinary program that allows them to develop individual interests within the larger framework of the liberal arts tradition. The degree comprises 30 hours of graduate study. A two-course introductory sequence establishes a historical and philosophical context for the study of the liberal arts and provides students with research and writing skills necessary at the graduate level. Students complement this introduction with fifteen hours of electives chosen from a range of liberal arts

disciplines. They complete their degree with a thesis or thesis-equivalent project that challenges them to develop and demonstrate genuine mastery of a topic about which they are passionate through research, analysis, extended writing, and (as applicable) creative engagement.

The Master of Arts in Liberal Arts develops the following skills in its graduates:

1. A broad-based, sophisticated understanding of the Liberal Arts, including their relationship to contemporary educational and technological trends
2. Enriched global perspectives and an informed appreciation of cultural differences, including human interactions with the natural world
3. Maturity of thought developed by and evidenced in considered, analytical responses to ideas
4. The ability, individually and cooperatively, to identify problems and implement creative solutions
5. Confident and ethical research practices
6. The ability to plan, design, and complete long-term projects
7. Advanced communication skills, both oral and written, enabling the successful transfer of complex as well as simple concepts

MASTER OF SCIENCE IN NONPROFIT ADMINISTRATION (MSNPA)

A 100% online, 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 accelerated, online courses. The program is viewed as a professional development degree for middle and upper-level administrators in human service organizations.

Biological Sciences

Chair:	Stephen Banks	SC214	797.5220
Faculty:	Stephanie Aamodt	SC114A	797.5214
	Beverly Burden	SC115C	797.5088
	Matyas Buzgo	SC115A	797.5120
	Amy Erickson	SC125	797.5105
	Mike Maguigan	SC121A	797.5215
	Elahe Mahdavian	SC312	797.5227
	Vonny Salim	SC212	797.5236
	Peter Siska	SC104	797.5231
	Tara Williams-Hart	SC220	795.2416
	Stephanie Villalba	SC104	797.5231

BACHELOR OF SCIENCE IN BIOLOGICAL SCIENCES (BS)

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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 104 or free elective^	3	BIOS 210, 224, 224L	7
BIOS 110*, 110L, 120*, 120L	8	CHEM 265, 265L[1]	4
CHEM 121*, 121L, 124, 124L	8	COMM 135*	3
CSC 115	3	ENGL 205, 206, 210, 215, or 220*	3
ENGL 105, 115*	6	HIST 105, 106, 107, 145, or 146*	3
Fine/Performing Arts*	3	PHYS 251, 251L[1]	4
	31	Social and Behavioral Sciences*	6
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
BIOS 363, 363L	4	BIOS 440, 440L, 495	5
Concentration Courses (300-400 level)	12	Concentration Courses (300-400 level)	8
MATH 210, 221*	7	Free electives[3]	12
Science electives (200-400 level)	8	Science Elective (200-400 level)	3
	31		28

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]Students in the Pre-Med or Pre-Dental programs are urged to take CHEM 266, CHEM 266L, and PHYS 252, PHYS 252L for admission into professional school.
[2]Students planning to apply for a physical therapy program should take BIOS 280, BIOS 282, BIOS 284, and BIOS 285 for admission into professional school.
[3]Students 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: BIOS 320/320L, BIOS 345/345L, BIOS 350/350L, BIOS 351/351L, BIOS 371/371L, BIOS 380/380L, BIOS 387/387L, BIOS 420/420L, BIOS 421/421L, BIOS 430/430L, BIOS 434/434L, BIOS 460, BIOS 465, BIOS 470, BIOS 475/475L, BIOS 480, BIOS 485/485L, BIOS 486, BIOS 487, BIOS 490, BCHM 410/410L, BCHM 412/412L, BCHM 430. 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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 104 or free elective^	3	BIOS 210, 224, 224L	7
BIOS 110*, 110L, 120*, 120L	8	CHEM 265, 265L	4
CHEM 121*, 121L, 124, 124L	8	COMM 135*	3
CSC 115	3	ENGL 205, 206, 210, 215, or 220*	3
ENGL 105, 115*	6	HIST 105, 106, 107, 145, or 146*	3
ENSC 101	3	PHYS 251, 251L	4
	31	Social and Behavioral Sciences*	6
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
BIOS 363, 363L, 440, 440L	8	BIOS 495	1
Concentration Courses (300-400 level)	8	Concentration Courses (300-400 level)	12
Fine/Performing Arts*	3	Free electives[1]	12
MATH 210, 221*	7	Science elective (200-400 level)	3
Science electives (200-400 level)	5		28
	31		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

ENVIRONMENTAL SCIENCE concentration students should take GEOL 105 and GEOL 205.
[1]Students 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: ENSC 320, ENSC 330, ENSC 411, ENSC 420, ENSC 421, ENSC 430, ENSC 441, ENSC 490, ENSC 491, ENSC 495, BIOS 420/420L, BIOS 430/430L, BIOS 446/446L, BIOS 456/456L, BIOS 470, BIOS 490. 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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 104 or free elective^	3	BIOS 210, 222, 222L, 224, 224L	11
BIOS 110*, 110L, 120*, 120L	8	CHEM 265, 265L	4
CHEM 121*, 121L, 124, 124L	8	COMM 135*	3
CSC 115	3	ENGL 205, 206, 210, 215, or 220*	3
ENGL 105, 115*	6	HIST 105, 106, 107, 145, or 146*	3
Fine/Performing Arts*	3	Social and Behavioral Sciences*	6
	31		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
BIOS 363, 363L, 440, 440L	8	BIOS 495	1
MATH 210, 221*	7	Concentration Courses (300-400 level)	12
PHYS 251, 251L	4	Free electives[1]	12
Concentration Courses (300-400 level)	4	Science elective (200-400 level)	3
Science elective (200-400 level)	8		28
	31		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]Students 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: BIOS 320/320L, BIOS 340/340L, BIOS 345/345L, BIOS 350/350L, BIOS 360/360L, BIOS 365/365L, BIOS 370/370L, BIOS 371/371L, BIOS 372/372L, BIOS 374/374L, BIOS 376/376L, BIOS 380/380L, BIOS 387/387L, BIOS 420/420L, BIOS 430/430L, BIOS 434/434L, BIOS 435/435L, BIOS 446/446L, BIOS 456/456L, BIOS 470, BIOS 471, BIOS 472, BIOS 475/475L, BIOS 480, BIOS 485/485L, BIOS 490. 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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 104 or free elective^	3	BIOS 210, 224, 224L	7
BIOS 110*, 110L, 120*, 120L	8	COMM 135*	3
CHEM 121*, 121L, 124, 124L	8	CHEM 265, 265L	4
CSC 115	3	ENGL 205, 206, 210, 215, or 220*	3
ENGL 105, 115*	6	HIST 105, 106, 107, 145, or 146*	3
Fine/Performing Arts*	3	PHYS 251, 251L	4
	31	Social and Behavioral Sciences*	6
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
BIOS 363, 363L	4	BIOS 430, 430L, 440, 440L, 495	10
CHEM 255, 255L	4	CJ 107, 310, 365, 403	12
Concentration Courses (300-400 level)	12	Concentration Courses (300-400 level)	3
MATH 210, 221*	7	Science electives (200-400 level)	3
Science electives (200-400 level)	4		28
Biological Sciences 300/400 Electives	31		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]Student planning to attend graduate school are encouraged to take six hours of foreign language.

Forensic Science Concentration: BIOS 430/430L is required for this concentration. Additional concentration requirements are CHEM 255/255L, CJ 107, CJ 310, CJ 365, CJ 403. Then, at least 8 hours to be selected from the following 300-/400-level courses: BIOS 320/320L, BIOS 360/360L, BIOS 372/372L, BIOS 380/380L, BIOS 387/387L, BIOS 420/420L, BIOS 421/421L, BIOS 434/434L, BIOS 460, BIOS 465, BIOS 470, BIOS 475/475L, BIOS 480, BIOS 490, BIOS 491, BIOS 492, BIOS 493, BCHM 410/410L, BCHM 412/412L, BCHM 460. Additionally, up to 7 hours may be selected from any 300-/400-level Biological Science, Environmental Science, or Geological Science courses.

Chemistry and Physics

Chair:	Brian Salvatore	SC112	797.5246
Faculty:	Wayne Gustavson	SC328	797.5246
	James Maxin	SC112A	797.5085
	Shabnam Siddiqui	SC112E	797.5232
	William Yu	SC330	797.3087
	Elizabeth Zippi Bida	SC332	797.5305

BACHELOR OF SCIENCE IN CHEMISTRY (BS)

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 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 qualified chemists require 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 (CHEM 290 and CHEM 490). 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 CHEM 290 during the junior year and CHEM 490 during the senior year, but some students choose to begin their research projects even before their junior year.

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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 104 or free elective^	3	ENGL 205, 210, 215, or 220*	3
ENGL 105, 115*	6	Fine/Performing Arts*	3
MATH 221*	4	MATH 222*	4
CSC 115	3	PHYS 261, 261L, 262, 262L	8
BIOS 110*, 120*	6	CHEM 255, 255L, 265, 265L, 266, 266L	12
CHEM 121*, 121L, 124, 124L	8		30
	30		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
HIST 105, 106, 107, 145, or 146*	3	Humanities*	3
Social and Behavioral Sciences*	3	Social and Behavioral Sciences*	3
MATH 210, 223, 254, 260, or 335[1]	3	Mathematics or Science elective (300+)	3
BCHM 410	3	Free electives	7
Mathematics or Natural Sciences elective (200+)	3	CHEM 430, 456, 456L, 467, 470, 490	15
CHEM 290, 301, 303, 303L, 304, 304L, 366	14		31
	29		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]MATH 223 is a 4-credit course.

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: BCHM 460, BIOS 375, BIOS 421, BIOS 430, BIOS 460, BIOS 463, BIOS 480, CHEM 290, CHEM 303, CHEM 304, CHEM 366, CHEM 475, and CHEM 490.

CHEMISTRY
Biochemistry
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 104 or free elective^	3	ENGL 205, 206, 210, 215, or 220*	3
ENGL 105, 115*	6	MATH 222*	4
MATH 221*	4	PHYS 251, 251L, 252, 252L[1]	8
BIOS 110*, 110L, 120*, 120L	8	CHEM 255, 255L, 265, 265L, 266, 266L	12
CHEM 121*, 121L, 124, 124L	8	BIOS 210	3
	29		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
MATH 210, 223, 254, 260, or 355[2]	3	CSC 115	3
HIST 105, 106, 107, 145, or 146*	3	Fine/Performing Arts*	3
Social and Behavioral Sciences*	3	Social and Behavioral Sciences*	3
Chemistry 301	1	Humanities*	3
BCHM 410, 410L 412, 412L	8	Mathematics or Science elective (300+)	3
BIOS 320, 320L, 420, 420L, 363, 363L	12	Science electives (upper level)	9
	30	Free electives	7
			31

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]Students planning to take CHEM 303 and CHEM 304 as their senior upper-level electives should take PHYS 261, PHYS 261L, PHYS 262, PHYS 262L.
[2]MATH 223 is a 4-credit course.

BACHELOR OF SCIENCE IN MATHEMATICS AND PHYSICS (BS)

MATHEMATICS and PHYSICS
Applied Physics
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 104 or free elective^	3	CSC 135	3
CSC 115	3	HIST 105, 106, 107, 145, or 146*	3
ENGL 105, 115*	6	MATH 223, 254	7
MATH 221, 222*	8	PHYS 210, 220, 261, 261L, 262, 262L	15
MATH 201	3		28
CHEM 121*, 121L, 124*, 124L	8		
	31		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
BIOS 110*	3	Fine/Performing Arts*	3
MATH 355	3	ECON 201 or 202*	3
Free electives	5	Humanities*	3
Social and Behavioral Sciences*	3	Free elective	3
Humanities*	3	PHYS 325, 420, 425, 462, 463, 475, 495	19
PHYS 302, 320, 335, 365	13		31
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

MATHEMATICS and PHYSICS
Theoretical Physics
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 104 or free elective^	3	CSC 135	3
CSC 115	3	HIST 105, 106, 107, 145, or 146*	3
ENGL 105, 115*	6	MATH 223, 254	7
MATH 221, 222*	8	PHYS 210, 261, 261L, 262, 262L	11
MATH 201	3	Astronomy or Mathematics or	
CHEM 121*, 121L, 124*, 124L	8	Physics elective	3
	31		27
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
BIOS 110*	3	Fine/Performing Arts*	3
MATH 355	3	ECON 201 or 202*	3
PHYS 302, 325, 326, 335, 365	15	Humanities*	3
Free elective	3	Free electives	6
Humanities*	3	Mathematics or Natural Science	
Social and Behavioral Sciences*	3	electives (300+)	6
	30	Physics 375, 462, 463, 475, 495	11
			32

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

Computer Science

Chair:	Richard Watson	TC206A	797.5093
Faculty:	Tauhidul Alam	TC213	797.5093
	Subhajit Chakrabarty	TC250	795.4283
	Urska Cvek	TC215	795.4266
	Sayan Goswami	TC214	797.5093
	Marjan Trutschl	TC216	797.5131
	Quingsong Zhao	TC206	797.5093

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BS)

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 problems and challenges in that domain. These courses may be within or outside the Department.

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 Educational 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 updated the following program objectives in cooperation with our CS Advisory Committee in 2018, and from a 2019 survey and 2019-2020 ABET criteria updates.

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.

Student Outcomes: ABET describes student 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 student outcomes for the ABET-accredited BS in Computer Science (Software Development):

- Graduates of the program will be able to analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
- Graduates of the program will be able to design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
- Graduates of the program will be able to communicate effectively in a variety of professional contexts.
- Graduates of the program will be able to recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
- Graduates of the program will function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline

All concentrations in the BS in Computer Science will also develop the following student outcome:

- Graduates will be able to apply computer science theory and software development fundamentals to produce computing-based solutions.

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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 104 or free elective^	3	CSC 145, 220, 225, 242	12
CSC 120, 135, 151, 152	12	MATH 201	3
MATH 121*	3	MATH 260*	3
MATH 131	3	Humanities*	6
ENGL 105, 115*	6	Natural Sciences*	6
Free elective	3		30
	30		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
CSC 270, 280, 285, 315, 345	15	CSC 382, 431, 438, 440, 485	13
ENGL 325	3	CJ 404	3
Social and Behavioral Sciences*	6	Fine/Performing Arts*	3
CJ 400	3	Free electives	8
COMM 135*	3	Natural Sciences*	3

	30		30

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 104 or free elective^	3	CSC 145, 242, 285	9
CSC 115, 120, 135	9	MATH 201	3
DA 210	3	MATH 260*	3
MATH 121*	3	DA 220, 315	6
MATH 131	3	Digital Arts Elective[1]	3
ENGL 105, 115*	6	Humanities*	3
Fine/Performing Arts*	3	Free elective	3
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
CSC 315, 345, 382	9	CSC 435, 464, 485	7
Computer Science Electives[2]	6	Computer Science Electives[2]	6
Digital Arts Sequence[1]	6	Digital Arts Elective[1]	3
Natural Sciences*	6	Humanities*	3
COMM 135*	3	Natural Sciences*	3
	30	ENGL 325	3
		Social and Behavioral Sciences*	6
			31

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]Digital Arts Sequence includes DA 319/DA 419, DA 320/DA 420, DA 325/DA 425, DA 326/DA 426, DA 327/DA 427, DA 330/DA 430, or DA 332/DA 432. Digital Arts Electives may be chosen individually from this same list of courses.
[2]Student 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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 104 or free elective^	3	CSC 135, 145, 242	9
CSC 115, 120	6	MATH 201	3
MATH 121*	3	MATH 260*	3
MATH 131	3	BLAW 280[1]	3
COMM 135*	3	Humanities*	6
ENGL 105, 115*	6	Natural Sciences*	6
Social and Behavioral Sciences*	3	ECON 201	3
Free elective	3		33
	30		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
CSC 285, 315, 345, 382	12	CSC 425, 435, 438, 485	10
ACCT 205, 206	6	FIN 301	3
ENGL 325	3	MKT 301	3
MADM 301	3	Fine/Performing Arts*	3
ECON 202*	3	Free electives	8
Natural Sciences*	3		27
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]ISDS 350 may be taken instead of BLAW 280.

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). A student in Software Development must have a grade of C or better in each of the core computer science courses before the subsequent core course is taken, including CSC 120, CSC 135, CSC 145, CSC 242, CSC 285, CSC 315, CSC 345, CSC 346, CSC382, CSC 420, CSC 460, CSC 480, CSC 481, CSC 485, and elective CSC courses.

COMPUTER SCIENCE
Software Development (*ABET Accredited*)
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 104 or free elective^	3	CSC 145, 285, 242, 315	12
CSC 120, 135	6	MATH 201, 260	6
MATH 221, 222*	8	Laboratory Science Sequence*[1]	8
ENGL 105, 115*	6	Humanities*	6
COMM 135*	3		32
Social and Behavioral Sciences*	3		
	29		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
CSC 345, 346, 382, 420	12	CSC 460, 480, 481, 485	10
Computer Science (400-level)	3	Computer Science (400-level)	6
ECON 201 or 202*	3	Science Elective[2]	3
MATH 254	3	Fine/Performing Arts*	3
Science*[2]	3	Free electives	7

ENGL 325	3		29
Free elective	3		
	30		

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

Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

[1]The student must elect an eight-hour sequence from among BIOS 110/BIOS 110L – BIOS 120/BIOS 120L; CHEM 121/CHEM 121L – CHEM 124/CHEM 124L; PHYS 251/PHYS 251L – PHYS 252/PHYS 252L; PHYS 261/PHYS 261L – PHYS 262/PHYS 262L.

[2]Student 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 ASTR 205, BIOS 110 or higher, CHEM 121 or higher, PHYS 120 or higher.

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 requirement to the MSCST program must still be satisfied:

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.

Mathematics

Chair:	Zsolt Lengvarszky	BH430	797.5377
Faculty:	Melinda Cassel	BH450	797.5377
	Irina Ilioaea	BH415	797.5377
	Iris Johnson	BH458	795.2394
	Conway Link	BH409	797.5356
	Rogers Martin	BH448	797.5177
	Stephan Patterson	BH454	797.5377
	Deborah Shepherd	BH416	797.5352
	Carlos Spaht	BH413	795.4258
	Tibor Szarvas	BH226	797.5371

BACHELOR OF SCIENCE IN MATHEMATICS AND PHYSICS (BS)

Great jobs are available for mathematicians. According to U.S. News, statistician and mathematician are ranked 6th and 14th in their 2020 Best 100 Jobs List. 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, research opportunities with faculty, a Mathematics Club, an outreach tutorial service, mathematics contests, and community-interest projects.

MATHEMATICS and PHYSICS
Mathematics
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 104 or free elective^	3	CSC 135, 145	6
CSC 120	3	Humanities*	3
ENGL 105, 115*	6	MATH 223, 235, 254	10
MATH 201	3	PHYS 261, 261L, 262, 262L	8
MATH 221, 222*	8	Foreign Language	3
CHEM 121*, 121L, 124*, 124L	8		30
	31		

JUNIOR YEAR	Sem. Hrs.	SENIOR YEAR	Sem. Hrs.
BIOS 110*	3	Fine/Performing Arts*	3
COMM 135*	3	Social and Behavioral Sciences*	6
Humanities*	3	ENGL 325	3
MATH 331, 355, 398, 455	10	Free elective (300+)	3
PHYS 365	3	MATH 461, 498	5
Free electives (300+)	5	Mathematics sequence[1]	6
Mathematics elective (300+)	3	Mathematics elective (300+)	3
	30		29

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]The sequence may be any one of the following: MATH 420/MATH 421; MATH 436/MATH 437, MATH 451/MATH 452, or MATH 461/MATH 462.

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

REQUIRED COURSES	*Sem. Hrs.*
BIOS 284, BIOS 284L, BIOS 285, BIOS 285L (Anat. & Phys. I & II)	8
BIOS 320, BIOS 320L (Microbiology)	4
CHEM 121, CHEM 121L, CHEM 124, CHEM 124L (Inorganic Chemistry)	8
MATH 210 (Applied Statistics)	3
KHS 201 (Medical Terminology)	3
BIOS 300-/400-level (junior-/senior-level Biology)	8
	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

REQUIRED COURSES	*Sem. Hrs.*
BIOS 284, BIOS 284L, BIOS 285, BIOS 285L (Anat. & Phys. I & II)	8
PHYS 251, PHYS 251L (Physics)	4
CHEM 121 (Inorganic Chemistry)	3
PSYC 209 (Lifespan Developmental Psychology)	3
PSYC 405 (Abnormal Psychology)	3
KHS 325 (Biomechanics of Motor Development)	3
SOCL 105 (Introduction to Sociology)	3
MATH 210 (Applied Statistics)	3
	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 procession, spreadsheet management, email competency
*Prerequisite courses must be completed with a grade of C or better prior to entering the program

Pre-Physical Therapy

REQUIRED COURSES	*Sem. Hrs.*
BIOS 110, BIOS 110L, BIOS 120, BIOS 120L (Biology I & II)	8
BIOS 284, BIOS 285[1] (Anatomy & Physics I & II)	6
BIOS 300-/400-level[2]	3
PHYS 251, PHYS 251L, PHYS 252, PHYS 252L (Physics)	8
CHEM 121, CHEM 121L, CHEM 124, CHEM 124L (Inorganic Chemistry)	8
PSYC 209 (Lifespan Developmental Psychology)	3
PSYC 405 (Abnormal Psychology)	3
ENGL 105, ENGL 115 (English Composition)	6
ENGL 200-level or above[3]	3
COMM 135 (Public Speaking)	3
MATH 121 or above (College Algebra or above)	6
MATH 210 (Applied Statistics) or PSYC 216 (Behavioral Statistics)[4]	3
	60

[1]BIOS 284L and BIOS 285L are also recommended but not required.
[2]BIOS 330 or BIOS 334 recommended.
[3]ENGL 325 recommended.
[4]Credits 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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
BIOS 110, 110L	4	BIOS 284, 284L, 285, 285L, 320, 320L	12
CHEM 121, 121L	4	Humanities Electives	6
ENGL 105, 115	6	PHYS 251, 251L	4
MATH 121, 122	6	Social Science Elective	3
Humanities Elective[1]	3	Science Elective[4]	3
Social Science Elective[2]	3		28
Art Elective[3]	3		
	29		

[1]Humanities: Public Speaking, English Literature, History, Mass Communication, Philosophy

[2]*Social 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.*
[3]*Art electives: Communication, Fine Arts, Music*
[4]*Science 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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
BIOS 110, 110L, 120, 120L	8	CHEM 121, 121L, 124, 124L	8
ENGL 105, 115	6	Fine Arts	3
Humanities[1]	6	General Electives	6
General Electives	3	Science Elective (200-level or above)[2]	3
MATH 121, 210	6	Social Science Elective[3]	3
	29		23
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
BIOS 320, 320L	4	Through competitive application to LSU Health Shreveport School of Allied Health Professions	20
General Electives	7		
CHEM 265	3		
Humanities[1]	3		
Social Science Elective (200-level or above)[3]	3		
	20		

[1]*Humanities: Public Speaking, English Literature, History, Mass Communication, Philosophy*
[2]*Science electives: Chemistry OR Human Anatomy and Physiology, Pathogenic Microbiology, Biochemistry, or Molecular Biology*
[3]*Social 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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
BIOS 120, 120L, 320, 320L	8	BIOS 284, 284L, 285, 285L	8
CHEM 101 or 121	3	COMM 135	3
CHEM 112 or 124	3	CSC 111	3
ENGL 105, 115	6	MATH 122	3
MATH 121	3	Humanities Electives[1]	9
PSYC 152	3	ENGL 205 or 210	3
FA 140	3	SOCL 105	3
	29		32

[1]See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUREMENTS 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[+]

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
BIOS 120, 120L	4	BIOS 280, 280L, 282, 282L, 320, 320L	12
CHEM 101 or 121	3	ENGL 205 or 210	3
CHEM 121L, 112	4	KHS 235	3
COMM 135	3	History Elective	3
ENGL 105, 115	6		21
KHS 215	1		
MATH 121, 210	6		
PSYC 152	3		
	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 to 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[+]

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
BIOS 120, 120L, 222, 222L	8	BIOS 320, 320L, 372[1], 372L[1], 387, 387L	12
CHEM 121, 121L, 124, 124L	8	CHEM 265, 265L	4
ENGL 105, 115	6	PHYS 251, 251L, 252, 252L	8
MATH 121, 122	6	MATH 221, 260	7
PSYC 152	3	Social Science Elective	3
SOCL 105	3		34
	34		

[+]Also courses needed to meet requirements of student's anticipated transfer university
[1]Recommended, 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

FIRST SEMESTER	Sem. Hrs.	SECOND SEMESTER	Sem. Hrs.
FS 104	3	ENGL 115	3
ENGL 105	3	CHEM 124, 124L	4
CHEM 121, 121L	4	MATH 221	4
MATH 150	3	BIOS 120, 120L	4
BIOS 110*, 110L*	4		15
	17		

Second Year

FIRST SEMESTER	Sem. Hrs.	SECOND SEMESTER	Sem. Hrs.
CHEM 265, 265L	4	CHEM 266, 266L	4
BIOS 284, 284L	4	BIOS 285, 285L	4
ECON 201 or 285	3	BIOS 363, 363L*	4
COMM 135	3	Fine Arts Elective	3
Humanities Elective	3		15
	17		

Third Year

FIRST SEMESTER	Sem. Hrs.	SECOND SEMESTER	Sem. Hrs.
BCHM 410	3	MATH 210 or 260	3
PHYS 251, 251L or 261, 261L	4	BIOS 330, 330L*	4
BIOS 320/320L or 351/351L	4	ENGL 325 or MADM 210	3
Humanities elective	3	Humanities Elective	3
	14	Social Science Elective	3
			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: FA 140 (Introduction to Fine Arts) or MUS 120 (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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
BIOS 120, 120L, 222, 222L	8	COMM 135	3
CHEM 121, 121L, 124, 124L	8	CSC 111	3
ENGL 105, 115	6	English Elective	3
MATH 121, 122	6	Fine Arts Elective	3
PSYC 152	3	HPE 215, 435	4
SOCL 105	3	History Elective	3
	34	PHYS 251, 251L, 252, 252L	8
		BIOS 284, 285	6
		Social Science Elective*	3
			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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
AGRI 101	1	BIOS 224, 224L, 320, 320L, 363, 363L	12
BIOS 120, 120L, 222, 222L	8	PHYS 251, 252	6
CHEM 121, 121L, 124, 124L	8	CHEM 265, 265L, 266, 266L	8
ENGL 105, 115	6	COMM 135	3
MATH 121, 122	6	Approved electives (Social Sciences)	6
Electives	3		35
	32		

PRE-ANIMAL SCIENCE
Total Hours: 66

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
AGRI 101	1	BIOS 224, 224L, 363, 363L	8
BIOS 120, 120L, 222, 222L	8	COMM 135	3
CHEM 121, 121L, 124, 124L	8	CHEM 265	3
ENGL 105, 115	6	Electives (Science & General Education)	20
MATH 121, 122	6		34
Electives	3		
	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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
AGRI 101	1	BIOS 224, 224L, 363, 363L	8
BIOS 120, 120L, 222, 222L	8	CHEM 265	3
CHEM 121, 121L, 124, 124L	8	PHYS 251	3
ENGL 105, 115	6	ECON 205	3
MATH 121, 122	6	MATH 131	3
Electives	3	COMM 135	3
	32	Humanities electives	3
		Electives	4
			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

REQUIRED COURSES	*Sem. Hrs.*
AGRI 101	1
BIOS 120, 120L, 222, 222L, 224, 224L, 320, 320L, 363, 363L	20
CHEM 121, 121L, 124, 124L, 265, 265L, 266, 266L	16
MATH 121, 122	6
ENGL 105, 115	6
PHYS 251, 251L, 252, 252L	8
COMM 135	3
Electives*	6
	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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
BIOS 101	3	PHYS 261, 261L, 262	7
CHEM 121	3	MATH 223, 254[5], 355	10
ENGL 105, 115	6	Computer Science	3
MATH 221, 222	8	ENG 245	3
Science Laboratory Elective	1	Fine Arts, Humanities, Social Science	
PHIL 250	3	electives[3]	12
COMM 255	3		35
Fine Arts, Humanities, Social Science			
electives[3]	6		
	33		

LSUS – LSU BATON ROUGE COOPERATIVE PROGRAM
Biological and Agricultural, Civil, Chemical, Mechanical, and Petroleum

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
BIOS 101[1]	3	PHYS 261, 262[5]	6
CHEM 121, 121L, 124, 124L[2]	8	MATH 223[7], 355[8]	7
ENGL 105, 115	6	ENG 245	3
MATH 221, 222	8	Fine Arts, Humanities, Social Sciences	
Fine Arts, Humanities, Social Science	6	electives[3]	6
electives[3]	31	ECON 201, 202	6
			28

[1]Biological and Agricultural Engineering majors should schedule BIOS 120, BIOS 120L, BIOS 222, BIOS 222L
[2]Civil Engineering does not require 2 hours of CHEM laboratory, but does require one hour of basic Science laboratory
[3]Consult advisor for list of approved courses acceptable to LSU Baton Rouge
[4]Number of hours will vary by major
[5]Industrial Engineering and Mechanical Engineering require PHYS 261L, PHYS 262L
[6]MATH 254 plus MATH 355 substitutes for LSU Baton Rouge MATH 2090
[7]Chemical Engineering does not require MATH 223
[8]Industrial Engineering requires MATH 254 plus MATH 355 to satisfy LSU Baton Rouge MATH 2090 (4 hr.) requirement; Mechanical Engineering requires LSU Baton Rouge MATH 2070, 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 Mathematics and 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. 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

www.lsus.edu/ba

Faculty and Staff

Dean:	Nancy Albers	BE101	797.5383
Associate Dean:	Tami Knotts	BE101	797.5268
Business Advising Coordinator:	Tracie Johnson	BE101	797.4235
Graduate Program Coordinator (MHA):	Allie McGee	BE101	795.5383
Graduate Program Coordinator (MBA):	Danielle Voumard	BE101	797.5213
Graduate Program Coordinator (MBA):	Daria Koksal	BE101	797.5383

Directors

LA Consortium of Insurance and Financial Services:	Harvey Rubin	BE306	797.5018
Master of Business Administration:	Tami Knotts	BE101	797.5268
Master of Health Administration:	Mary Lois White	BE322	797.5103
College of Business Research:	Binshan Lin	BE321	797.5025

The College of Business consists of the following departments: Accounting and Business Law, Economics and Finance, James K. Elrod Health Administration, and Management and Marketing.

In the College of Business, students may pursue undergraduate degrees in Accounting, Finance, General Business Administration, Management and Administration, and Marketing. By working closely with an advisor, a College of Business student may be able to concentrate upon particular areas within the selected major field. Available concentrations include an Accounting concentration in Public Accounting; Finance concentrations in Financial Analysis, Financial Planning, Insurance, or Real Estate; General Business concentrations in Entrepreneurship or International Business; Management and Administration concentrations in Business Intelligence, Business Law, Human Resource Management, International Business, or Management Information Systems; and Marketing concentrations in Advertising Design, Data Analytics, Hospitality, International Business, or Sales. Degree-seeking and non-degree-seeking students may add an undergraduate business certificate in Business Fundamentals, Business Law, and/or Small Business Management. We offer face-to-face and online classes.

The College 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 College of Business, each student is assigned an 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) accredits the undergraduate and graduate programs in the College of Business.

Philosophy

The College 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 College 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 College

The LSUS College 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 College 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 College 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 College 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, 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. MATH 100+ (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 College of Business must:

1. Complete the following core courses as the common body of knowledge in Business Administration:
    a. ACCT 205, 206 – 6 hours
    b. BLAW 280 – 3 hours
    c. ECON 201, 202 – 6 hours
    d. FIN 301 – 3 hours
    e. ISDS 265, 350, 383 – 9 hours
    f. MADM 301, 480 – 6 hours
    g. MKT 301 – 3 hours
2. Earn at least two-thirds of the course requirements in the major in residence at LSUS
3. Earn 30 of the last 40 semester hours presented for the degree in residence at LSUS
4. Earn a C or better in MADM 480
5. Complete more than 50% of business credit hours required for the degree at LSUS
6. Submit the personal data required to process the necessary graduation forms prior to the last semester enrolled before degree completion

Requirements for the Undergraduate Business Certificates:

In order to be granted an undergraduate certificate by the College of Business, the student complete all certificate courses with a certificate GPA of 2.0 or higher.

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 College 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).

Appeals

Students may appeal dismissals to the Dean/Associate Dean of the College of Business. The Dean/Associate Dean may choose to readmit a student to the College 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 College of Business Curriculum and Standards Committee. The Curriculum and Standards Committee may choose to readmit a student to the College 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 College of Business Curriculum and Standards Committee is final and may

not be appealed. Students who are dismissed from the College 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

The College of Business offers classes both face-to-face and online. Several College of Business programs are available in a completely online accelerated format (see online.lsus.edu). Not all traditional classes are offered online; therefore, not every degree program option 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

MATH 101 (or degree requirements) and MATH 260 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 College of Business courses numbered 300 and above only with the consent of the Department.

Management and Administration 480

This is the capstone course in the common body of knowledge in the College of Business curricula. MADM 480 must be taken in residence at LSUS during the student's last semester. Students must complete all prerequisites for MADM 480 prior to their last semester.

Pass/No Credit

The student in the College 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 Department Chair.

Accounting and Business Law

Chair:	Amy Wren	BE339B	797.5241
Faculty:	Fabio Ambrosio	BE339	797.5241
	Yu Bai	BE335	797.5241
	Rebecca Bogie	BE339	797.5241
	Anthony Hannah	BE336	797.5241
	Li Huang	BE324	797.5029
	Frederick Parker, Jr.	BE311	797.5109
	Kyle Post	BE339	797.5241
	Yannan Shen	BE318	797.5241
	Carl Smolinski	BE319	797.5014
	Ting Tsen (Robbie) Yeh	BE339	797.5241
	Syed Zaidi	BE317	797.5241

BACHELOR OF SCIENCE IN ACCOUNTING (BS)

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, Taxation, Banks/Financial Institutions, Nonprofit Organizations, Healthcare Industries, Service/Manufacturing Companies, and Consulting Practices.

Major Courses –

ACCT 309, ACCT 310, ACCT 320, ACCT 330, and BLAW 333 are required for the Accounting major.
The remaining 6 hours of Accounting electives may come from the following courses: ACCT 360, ACCT 410, ACCT 420, ACCT 440, ACCT 450, ACCT 460, ACCT 470, ACCT 490, or ACCT 495.

ACCOUNTING
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	Free electives	6
Fine/Performing Arts*	3	BLAW 280	3
Humanities*	6	Mathematics*	3
MATH 121*	3	ECON 201, 202*	6
Free elective	3	ISDS 265	3
Natural Sciences*	6	Natural Sciences*	3
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ACCT 309, 310, 320	9	ACCT 330	3
Humanities*	3	Accounting electives[1]	6
FIN 301	3	BLAW 333	3
MADM 301	3	ISDS 350	3
MKT 301	3	MADM 480	3
ISDS 383	3	Free electives	12
Free electives	6		30
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Students must earn a minimum grade of C or better in ACCT 205, ACCT 206, and all 300- and 400-level Accounting courses comprising the major.*
[1]*ACCT 475 may not be used as an Accounting elective but may be used as a free elective.*

Students choosing a major in Accounting may pursue a concentration in **Public Accounting** that aligns with the State of Louisiana CPA requirements and serves as the educational foundation as preparation to sit for the Certified Public Accountant examination.

Concentration Courses –

ACCT 309, ACCT 310, ACCT 320, ACCT 330, ACCT 440, and BLAW 333 are required for the Public Accounting concentration. Additionally, students must choose either ACCT 410 or ACCT 460.

The remaining 3 hours of Accounting electives may come from the following courses: ACCT 360, ACCT 410, ACCT 420, ACCT 450, ACCT 460, ACCT 470, ACCT 490, or ACCT 495.

ACCOUNTING
Public Accounting
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	Free electives	6
Fine/Performing Arts*	3	ECON 201, 202*	6
Humanities*	6	ISDS 265	3
MATH 121*	3	Humanities*	3
Mathematics*	3	BLAW 280	3
Natural Sciences*	6	Natural Sciences*	3
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ISDS 383	3	ISDS 350	3
ACCT 309, 310, 320, 330	12	ACCT 440	3
FIN 301	3	ACCT 410 or 460	3
MADM 301	3	BLAW 333	3
MKT 301	3	MADM 480	3
Free electives	6	Accounting elective	3
	30	Free electives	12
			30

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

Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

NOTE: *Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the COLLEGE OF BUSINESS.*

Economics and Finance

Chair:	Douglas Bible	BE339C	797.5241
Faculty:	Daewoung "Joey" Choi	BE309	797.5106
	Fadi Fawaz	BE339	797.5241
	ChengHo Hsieh	BE320	797.5015
	Neal Johnson	BE339	797.5241
	Lynn Kendall	BE339	797.5241
	Sung Kim	BE325	797.5026
	Harvey Rubin	BE306	797.5018
	Tim Shaughnessy	BE308	797.5334
	Han Shi	BE326	797.5241
	Tim Vines	BE307	797.5013
	Doug White	BE120	797.5146
	Mary Lois White	BE322	797.5103

BACHELOR OF SCIENCE IN FINANCE (BS)

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.

Major Courses –

FIN 320 or FIN 326, FIN 340 or FIN450, and FIN 400 or FIN440 are required. Two 300- or 400-level Finance or Economics electives are also required. **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 FIN 301 to graduate.**

FINANCE
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	Mathematics*	3
Humanities*	6	ISDS 265	3
MATH 121*	3	BLAW 280	3
ECON 201, 202*	6	Humanities*	3
Natural Sciences*	6	Natural Sciences*	3
	30	Fine and Performing Arts[2]	3
		Free electives	6
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
FIN 301	3	FIN 400 or 440	3
MADM 301	3	Major Electives[1]	6
ISDS 350, 383	6	MADM 480	3
MKT 301	3	Free electives	18
FIN 320 or 326	3		30
FIN 340 or 450	3		
Free electives	9		
	30		

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

Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

[1]Major electives include 300 and 400-level Finance classes and 300 and 400-level Economics classes.

NOTE: *Students must earn a minimum grade of C or better in all 300- and 400-level Finance courses comprising the major, including FIN 301.*

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.

Concentration courses –

Required courses are FIN 400, FIN 410, and FIN 440. Two 300- or 400-level Finance or Economics electives are also required. **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 FIN 301 to graduate.**

FINANCE
Financial Analysis
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	Mathematics*	3
Humanities*	6	ISDS 265	3
MATH 121*	3	BLAW 280	3
ECON 201, 202*	6	Humanities*	3
Natural Sciences*	6	Natural Sciences*	3
	30	Fine and Performing Arts[2]	3
		Free electives	6
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
FIN 301	3	FIN 400, 410, 440	9
MADM 301	3	MADM 480	3
ISDS 350, 383	6	Free electives	18
MKT 301	3		30
Concentration electives	6		
Free electives	9		
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Students must earn a minimum grade of C or better in all 300- and 400-level Finance courses comprising the major, including FIN 301.*

The ***Financial Planning*** concentration allows students interested in seeking to develop skills in financial planning, preparing to sit for the Certified Financial Planner exam, or entering graduate studies.

Concentration courses –

Required courses are FIN 231, FIN 320, FIN 331, FIN 400, FIN 420, and FIN 480. **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 FIN 301 to graduate.**

FINANCE
Financial Planning
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	Mathematics*	3
Humanities*	6	ISDS 265	3
MATH 121*	3	BLAW 280	3
ECON 201, 202*	6	Humanities*	3
Natural Sciences*	6	Natural Sciences*	3
	30	Fine and Performing Arts[2]	3
		FIN 231	3
		Free electives	3
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
FIN 301, 320, 331, 400, 420	15	ISDS 350	3
MADM 301	3	FIN 480	3
ISDS 383	3	MADM 480	3
MKT 301	3	Free electives	21
Free electives	6		30
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Students must earn a minimum grade of C or better in all 300- and 400-level Finance courses comprising the major, including FIN 301.*

The ***Insurance*** concentration is designed to introduce the student to careers in Insurance Sales and Underwriting.
Concentration courses –
FIN 320, FIN 322, FIN 326, FIN 420, and ACCT 450 are required of all Insurance concentration students. **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
Insurance
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	Mathematics*	3
Humanities*	6	ISDS 265	3
MATH 121*	3	BLAW 280	3
ECON 201, 202*	6	Humanities*	3
Natural Sciences*	6	Natural Sciences*	3
	30	Fine/Performing Arts*	3
		Free electives	6
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
FIN 301, 320, 322, 326	12	FIN 420	3
MADM 301	3	ACCT 450	3
ISDS 350, 383	6	MADM 480	3
MKT 301	3	Free electives	21
Free electives	6		30
	30		

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

Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Students must earn a minimum grade of C or better in all 300- and 400-level Finance courses comprising the major, including FIN 301.*

The ***Real Estate*** concentration is designed to introduce the student to careers in Commercial and Residential Real Estate.

Concentration courses –

FIN 324, FIN 340, FIN 420, FIN 442, and FIN 450 are required of all Real Estate concentration students. **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
Real Estate
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	Mathematics*	3
Humanities*	6	ISDS 265	3
MATH 121*	3	BLAW 280	3
ECON 201, 202*	6	Humanities*	3
Natural Sciences*	6	Natural Sciences*	3
	30	Fine/Performing Arts*	3
		Free electives	6
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
FIN 301, 324, 340	9	FIN 420, 442, 450	9
MADM 301	3	MADM 480	3
ISDS 350, 383	6	Free electives	18
MKT 301	3		30
Free electives	9		
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Students must earn a minimum grade of C or better in all 300- and 400-level Finance courses comprising the major, including FIN 301.*

BACHELOR OF SCIENCE IN GENERAL BUSINESS ADMINISTRATION (BS)

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.

Major Courses-

Students must choose eight 300-400 level Business Administration electives from the following areas of study: Accounting, Business Law, Economics, Finance, Information Systems/Decision Sciences, Management and Administration, and Marketing. No more than three courses may be from a single area.

GENERAL BUSINESS ADMINISTRATION
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	Mathematics*	3
Humanities*	6	ISDS 265	3
MATH 121*	3	BLAW 280	3
ECON 201, 202*	6	Humanities*	3
Natural Sciences*	6	Natural Sciences*	3
	30	Fine/Performing Arts*	3
		Free electives	6
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
FIN 301	3	General Business electives	9
MADM 301	3	MADM 480	3
ISDS 350, 383	6	Free electives	18
MKT 301	3		30
General Business electives	15		
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

Students choosing to major in General Business Administration may also pursue a cross-disciplinary concentration in the area of **Entrepreneurship**.

Concentration Courses –

BLAW 415/MADM 415, ACCT 330, FIN 320, MADM 320, MADM 340/MKT 340, MADM 410, and MKT 310 are required of all Entrepreneurship concentration students.

The remaining three hours in the concentration must be chosen from the following list of approved Entrepreneurship concentration electives: MKT 305, MADM 330/MKT 330, MKT 405, or MKT 430.

GENERAL BUSINESS ADMINISTRATION
Entrepreneurship
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	Free electives	6
Fine/Performing Arts*	3	ECON 201, 202*	6
Humanities*	6	ISDS 265	3
MATH 121*	3	Natural Sciences*	3
Mathematics*	3	Humanities*	3
Natural Sciences*	6	BLAW 280	3
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ISDS 383	3	ISDS 350	3
ACCT 330	3	BLAW 415 or MADM 415	3
FIN 301, 320	6	Entrepreneurship concentration elective	3
MADM 301, 320	6	Free electives	15
MKT 301, 310	6	MADM 410, 480	6
MADM 340 or MKT 340	3		30
Free electives	3		
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the COLLEGE OF BUSINESS.*

Students choosing to major in General Business Administration may also pursue a cross-disciplinary concentration in the area of **International Business**.

Concentration Courses –

Students must complete four Business Administration and four International Business electives to earn a degree in General Business Administration with a concentration in International Business.

Business Administration Electives:

Students must choose four 300-400 level Business Administration electives from the following areas of study: Accounting, Business Law, Economics, Finance, Information Systems/Decision Sciences, Management and Administration, and Marketing. Not more than three courses (from both Business Electives and International Business Electives) may be from a single area.

International Business Electives:

To obtain the International Business concentration in the General Business Administration major, students must complete MADM 360 and nine hours from the following list of approved International Business electives: BLAW 420, ECON 460, FIN 440, MADM 423, MADM 430, MKT 440.

GENERAL BUSINESS ADMINISTRATION
International Business
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	Mathematics*	3
Humanities*	6	ISDS 265	3
MATH 121*	3	BLAW 280	3
ECON 201, 202*	6	Humanities*	3
Natural Sciences*	6	Natural Sciences*	3
	30	Fine/Performing Arts*	3
		Free electives	6
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
FIN 301	3	General Business electives	6
MADM 301, 360	6	MADM 480	3
ISDS 350, 383	6	International Business electives	3
MKT 301	3	Free electives	18
International Business electives	6		30
General Business electives	6		
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

James K. Elrod Department of Health Administration

Chair:	John Fortenberry	BE301B	797.5129
Faculty:	Brent Bost	BE301	797.5017
	Sam Gherfal	BE301	797.5017
	Justin Lord	BE304	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	797.5241
Faculty:	Nancy Albers	BE101	797.5383
	Si Chen	BE302	797.5241
	Medhi Darban	BE314	797.5022
	Aadel Darrat	BE312	797.5092
	Mohamad Darrat	BE313	797.5104
	Stephanie Dunn	BE339	797.5241
	James Gibbs	BE339	797.5241
	Nathan Heller	BE339	797.5241
	Mohsen Jozani	BE339	797.5241
	Imran Khan	BE339	797.5241
	Minseong Kim	BE303	797.5241
	Minsun Kim	BE310	797.5023
	Tami Knotts	BE101	797.5268
	Ahmet Koksal	BE321	797.5102
	Sreejith Krishnakumar	BE339	797.5241
	Binshan Lin	BE305	797.5025
	Mary Lind	BE339	797.5241
	Michael McDaniel	BE339	797.5241
	Erin McLaughlin	BE339	797.5241
	Michael Meeks	BE316	797.5185
	Sanjay Menon	AD242	797.5247
	Nichole Phillips	BE315	797.5241
	Harshali Sadhya	BE339	797.5241
	Vikram Sadhya	BE339	797.5241
	Amin Saleh	BE339	797.5241
	Felice Williams	BE323	795.2473
	Jia Yu	BE334	797.5241

BACHELOR OF SCIENCE IN MANAGEMENT AND ADMINISTRATION (BS)

Management and Administration 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.

Major Courses –

MADM 320, MADM 321, and MADM 431 are required. Six hours of Management and Administration electives are also required.

MANAGEMENT AND ADMINISTRATION
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	Free electives	6
Fine/Performing Arts*	3	ECON 201, 202*	6
Humanities*	6	ISDS 265	3
MATH 121*	3	Natural Sciences*	3
Mathematics*	3	Humanities*	3
Natural Sciences*	6	BLAW 280	3
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ISDS 383	3	ISDS 350	3
FIN 301	3	MADM 431, 480	6
MADM 301, 320, 321	9	Management and Administration electives	6
MKT 301	3	Free electives	15
Free electives	12		30
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the COLLEGE OF BUSINESS).*

Business Intelligence analysts provide vital functions in an organization in areas of strategic planning, profit maximization, and security against cyberattacks. The concentration in Business Intelligence provides a solid core in business operations and functions, while also providing concentrated training in business analytics, management information systems, and business cybersecurity.

Concentration courses –

ISDS 415, ISDS 420, and MKT 435 are required of the Business Intelligence concentration students.

Concentration elective courses –

Business Intelligence concentration students must select two of the following: ACCT 450, ISDS 410, ISDS 430, and MADM 310.

MANAGEMENT AND ADMINISTRATION
Business Intelligence
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	ECON 201, 202*	6
Fine/Performing Arts*	3	Humanities*	3
Humanities*	6	BLAW 280	3
MATH 121*	3	Natural Sciences*	3
Mathematics*	3	ISDS 265	3
Natural Sciences*	6	Free electives	6
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ISDS 350, 383	6	ISDS 415, 420	6
FIN 301	3	MKT 435	3
MADM 301	3	Business Intelligence electives	6
MKT 301	3	Free electives	12
Free electives	15	MADM 480	3
	30		30

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the COLLEGE OF BUSINESS).*

Students choosing to major in Management and Administration may also pursue a cross-disciplinary concentration in the area of **Business Law**. Students who choose to pursue a Business Law 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 with the concentration.

Concentration courses –

MADM 340 and MADM 415 are required of all Business Law concentration students. The remaining six hours in the concentration must be chosen from the following list of approved Business Law electives: BLAW 332, BLAW 333, BLAW 420, or MADM 490* (Special Topics Business Law class).

Requires the approval of the Chair of the Department

MANAGEMENT AND ADMINISTRATION
Business Law
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	Free electives	6
Fine/Performing Arts*	3	ECON 201, 202*	6
Humanities*	6	ISDS 265	3
MATH 121*	3	Natural Sciences*	3
Mathematics*	3	Humanities*	3
Natural Sciences*	6	BLAW 280	3
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ISDS 383	3	ISDS 350	3
FIN 301	3	MADM 415, 431, 480	9
MADM 301, 320, 321, 340	12	Business Law concentration electives	6
MKT 301	3	Free electives	12

Free electives	9		30
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the COLLEGE OF BUSINESS).*

Students choosing to major in Management and Administration may elect to also pursue a concentration in the area of **Human Resource Management**. Students must earn a minimum grade of C or better for the 12 hours comprising the concentration.

Concentration courses –

MADM 415, MADM 427, and MADM 429 are required of all Human Resource Management concentration students. The remaining three hours in the concentration must be chosen from the following list of approved Human Resource Management electives: MADM 423, MADM 425, MADM 428, MADM 475* (Internship in a relevant HR area), MADM 490*.

Requires the approval of the Chair of the Department

MANAGEMENT AND ADMINISTRATION
Human Resource Management
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	Free electives	6
Fine/Performing Arts*	3	ECON 201, 202*	6
Humanities*	6	ISDS 265	3
MATH 121*	3	Natural Sciences*	3
Mathematics*	3	Humanities*	3
Natural Sciences*	6	BLAW 280	3
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ISDS 383	3	MADM 427, 429, 480	9
FIN 301	3	ISDS 350	3
MADM 301, 320, 321, 415, 431	15	Management HRM elective	3
MKT 301	3	Free electives	15
Free electives	6		30
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the COLLEGE OF BUSINESS).*

Students choosing to major in Management and Administration may also pursue a cross-disciplinary concentration in the area of **International Business**. Students who choose to pursue an International Business concentration must earn a minimum grade of C or better for the 12 hours comprising the concentration.

Concentration courses –

MADM 360 is required of all International Business concentration students.

The remaining six hours in the concentration must be chosen from the following list of approved International Business electives: BLAW 420, ECON 460, FIN 440, MADM 423, MADM 430, MKT440, FIN 475/MADM 475/MKT 475* (International Business-related Internship only), ECON 490/MADM 490/MKT 490/FIN 490* (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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	Free electives	6
Fine/Performing Arts*	3	ECON 201, 202*	6
Humanities*	6	ISDS 265	3
MATH 121*	3	Natural Sciences*	3
Mathematics*	3	Humanities*	3
Natural Sciences*	6	BLAW 280	3
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ISDS 383	3	ISDS 350	3
MADM 301, 320, 321, 360	12	MADM 431, 480	6
MKT 301	3	FIN 301	3
International Business electives	6	MADM 423 or 430	3
Free elective	6	Free electives	15
	30		30

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the COLLEGE OF BUSINESS).*

Students choosing to major in Management and Administration may also pursue a cross-disciplinary concentration in the area of **Management Information Systems**. Students who choose to pursue a Management Information Systems concentration must earn a minimum grade of C or better for the 12 hours comprising the concentration.

Concentration courses –

ISDS 410, ISDS 415, ISDS 420, and ACCT 360 are required of the Management Information Systems concentration students.

MANAGEMENT AND ADMINISTRATION
Management Information Systems
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	ECON 201, 202*	6
Fine/Performing Arts*	3	Humanities*	3
Humanities*	6	BLAW 280	3
MATH 121*	3	Natural Sciences*	3
Mathematics*	3	ISDS 265	3
Natural Sciences*	6	Free electives	6
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ISDS 350, 383	6	ISDS 410, 415, 420	9
FIN 301	3	Free electives	15
MADM 301, 320, 321	9	MADM 431, 480	6
MKT 301	3		30
ACCT 360	3		

Free electives	6		
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the COLLEGE OF BUSINESS).*

BACHELOR OF SCIENCE IN MARKETING (BS)

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.

Major Courses –
MKT 310, MKT 401, and MKT 445 are required. Six hours of Marketing electives are also required.

MARKETING
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	Mathematics*	3
Fine/Performing Arts*	3	ECON 201, 202*	6
Humanities*	6	Humanities*	3
MATH 121*	3	BLAW 280	3
Natural Sciences*	6	ISDS 265	3
Free elective	3	Free electives	6
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
Natural Sciences*	3	ISDS 350	3
ISDS 383	3	MKT 401, 445	6
FIN 301	3	Marketing electives	6
MADM 301	3	Free electives	12
MKT 301, 310	6	MADM 480	3
Free electives	12		30
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the COLLEGE OF BUSINESS).*

Students choosing to major in Marketing may pursue a cross-disciplinary concentration in the area of **Advertising Design**. Students who choose to pursue an Advertising Design concentration must earn a minimum grade of C or better for the 12 hours comprising the concentration.
Concentration courses –
DA 210 is required of all Advertising and Design concentration students. Students must select either MKT 305 or MKT 405. Three hours of Digital Arts elective credit must be chosen from the following approved courses: DA 315, DA 318, DA 326, DA 416. The remaining three hours in the concentration must be chosen from the following list of approved courses: DA 315, DA 318, DA 326, DA 416, MKT 305 (if not counted above), MKT 405 (if not counted

above), MKT 475* (approved Advertising Design internship only), and MKT 490* (approved Advertising Design topic only).

Requires the approval of the Chair of the Department

MARKETING
Advertising Design
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	ECON 201, 202*	6
Fine/Performing Arts*	3	Humanities*	3
Humanities*	6	BLAW 280	3
MATH 121*	3	ISDS 265	3
Mathematics*	3	Natural Sciences*	3
Natural Sciences*	6	DA 210	3
	30	Free elective	3
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ISDS 383	3	ISDS 350	3
FIN 301	3	MKT 401, 445	6
MADM 301	3	Approved concentration elective	3
MKT 301, 310	6	Free electives	15
MKT 305 or 405	3	MADM 480	3
Approved Digital Arts elective	3		30
Free electives	9		
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the COLLEGE OF BUSINESS).*

Students choosing to major in Marketing may also pursue a cross-disciplinary concentration in the area of **Data Analytics**. Students who choose to pursue a Data Analytics concentration must earn a minimum grade of C or better for the 12 hours comprising the concentration.

Concentration Courses –

MKT 435, ISDS 410, ISDS 415, and MKT 420 are required of Data Analytics concentration students.

MARKETING
Data Analytics
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	ECON 201, 202*	6
Fine/Performing Arts*	3	Humanities*	3
Humanities*	6	BLAW 280	3
MATH 121*	3	Natural Sciences*	3
Mathematics*	3	ISDS 265	3
Natural Sciences*	6	Free electives	6
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ISDS 350, 383	6	ISDS 410, 415	6
FIN 301	3	MKT 401, 420, 435, 445	12
MADM 301	3	Free electives	9
MKT 301, 310	6	MADM 480	3

Free elective	12		30
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the COLLEGE OF BUSINESS.*

Students choosing to major in Marketing may also pursue a cross-disciplinary concentration in the area of **Hospitality**. Students who choose to pursue a Hospitality concentration must earn a minimum grade of C or better for the 12 hours comprising the concentration.

Concentration Courses –

MADM 401, MADM 420, MKT 420, and MKT 425 are required of Marketing Hospitality concentration students.

MARKETING
Hospitality
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	ECON 201, 202*	6
Fine/Performing Arts*	3	Humanities*	3
Humanities*	6	BLAW 280	3
MATH 121*	3	ISDS 265	3
Mathematics*	3	Natural Sciences*	3
Natural Sciences*	6	Free electives	6
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ISDS 383	3	ISDS 350	3
FIN 301	3	MKT 401, 445	9
MADM 301, 401, 420	9	Free electives	15
MKT 301, 310, 420, 425	12	MADM 480	3
Free elective	3		30
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the COLLEGE OF BUSINESS.*

Students choosing to major in Marketing may also pursue a cross-disciplinary concentration in the area of **International Business**. Students who choose to pursue an International Business concentration must earn a minimum grade of C or better for the 12 hours comprising the concentration.

Concentration courses –

MADM 360 and MKT 440 are required of Marketing International Business concentration students.

The remaining six hours in the concentration must be chosen from the following list of approved International Business electives: BLAW 420, ECON460, FIN 440, MADM 423, MADM 430, MKT 440, FIN 475/MADM 475/MKT 475* (International Business – related internship only), ECON 490/MADM 490/MKT 490/FIN 490* (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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	ECON 201, 202*	6
Fine/Performing Arts*	3	Humanities*	3
Humanities*	6	BLAW 280	3
MATH 121*	3	Natural Sciences*	3
Mathematics*	3	ISDS 265	3
Natural Sciences*	6	Free electives	6
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ISDS 383	3	ISDS 350	3
FIN 301	3	MKT 401, 440, 445	9
MADM 301, 360	6	Free electives	15
MKT 301, 310	6	MADM 480	3
International Business electives	6		30
Free electives	6		
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
NOTE: *Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the COLLEGE OF BUSINESS).*

Sales careers provide vital functions in the economy. The concentration in Sales provides a background in marketing and training in the concepts and techniques utilized in integrated marketing communications, selling, and negotiations.

Concentration Courses –

MKT 310, MKT 312, MKT 330, MKT 340, and MKT 401 are required of Sales concentration students.

MARKETING
Sales
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 101 or free elective^	3	ACCT 205, 206	6
ENGL 105, 115*	6	ECON 201, 202*	6
Fine/Performing Arts*	3	Humanities*	3
Humanities*	6	BLAW 280	3
MATH 121*	3	Natural Sciences*	3
Mathematics*	3	ISDS 265	3
Natural Sciences*	6	Free electives	6
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ISDS 350, 383	6	MKT 401	3
FIN 301	3	Free electives	24
MADM 301	3	MADM 480	3
MKT 301, 310, 312, 330, 340	15		30
Free electives	3		
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

NOTE: *Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the COLLEGE OF BUSINESS.*

College of Business Undergraduate Certificates

The College of Business offers undergraduate certificates in accordance with the Board of Regents requirements for academic certificates. Business Certificates require 6 courses (18 hours). Certificates are stackable, and courses fulfilling a certificate requirement may also apply to another certificate or degree requirement, including use as a general elective. They are offered in the following areas:

Business Fundamentals Certificate: ACCT 205, BLAW 280, FIN 231, ISDS 350, MADM 301, and MKT 301.
Business Law Certificate: BLAW 280, BLAW 332, BLAW 415/MADM 415, BLAW 420, MADM 310, and MADM 340/MKT 340.
Small Business Management Certificate: FIN 231, ISDS 150, MADM 205, MADM 301, MADM 410, and MKT 305.

Programs Available

Business Internship

The primary objective of the Business Internship (courses numbered 475) is to provide meaningful on-the-job experience in a career field related to the student's major field of study. To participate in an internship, the student must (1) have successfully completed sixty credit hours toward the baccalaureate degree in the College 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.
Internships for academic credit require the student be enrolled in a business field 475 class prior to the start of the internship. If approved, the student may apply a maximum of six credit hours in internship coursework toward the baccalaureate degree as electives in the College of Business. Prior to enrollment in the program, the student must contact the College of Business Advising Coordinator for details.

Independent Study

Any student who desires to enroll in an Independent Study class (ACCT 495, BLAW 495, ISDS 495, MADM 495, FIN 495, or MKT 495) must secure the approval of the Chair of the Department in which the course is taught. Additional information is available in the departmental offices.

College of Business Graduate Programs

The College 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 in provided in the *GRADUATE STUDIES* section of this catalog.

College of Education and Human Development

www.lsus.edu/ba

Faculty and Staff

Dean:	Dennis Wissing	BE117D	795.4279
Associate Dean:	Katherine Wickstrom (interim)	BE117B	797.5173
Graduate Program Coordinator (MSC, SSP):	Megan Davenport	BE119H	795.4229
Graduate Program Coordinator (MPH):	Adrienne Davis	BE388B	
Graduate Program Coordinator (EdD, MEdCI, MEdL):	Monica Pels	BE376	795.4232

Directors

Doctor of Education in Leadership Studies:	John Harrison	BE117C	795.4279
Master of Science in Counseling:	Meredith Nelson	BE353	797.5199
Master of Education in Curriculum and Instruction:	Cay Evans (Interim)	BE384C	797.5032
Master of Education in Educational Leadership:	Russ Perry	BE366	797.5035
Master of Public Health:	Jill Rush-Kolodzey	BE388A	797.5218
Specialist in School Psychology:	Kevin Jones	BE359	797.5043
USA Weightlifting and High Performance Center:	Kyle Pierce	BE119G	795.4241

The College of Education and Human Development consists of two schools: 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 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 English as a Second Language.

At the graduate level, the School of Education has degree programs which include a Master of Education in Curriculum and Instruction, Master of Education in 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) accredits all undergraduate and graduate programs in the School of Education, except for the Doctor of Education in Leadership Studies.

Vision

The LSU-Shreveport School of Education envisions a future in which the educators we recruit, develop, empower, and support are widely known as exemplary Servant Leaders who are fearlessly committed to the education of the whole child and are committed to the adults and communities who serve those children. We understand fully that what we teach our candidates we teach *their* students.

Mission

The LSU-Shreveport School of Education engages every day in research, service, teaching, and learning to develop world-class educators who are:

- Impactful and reflective practitioners of best methods in teaching and learning.
- Culturally responsive in both their thinking and methods.
- Committed to equitable access and opportunity for *ALL*.
- Creative, innovative, and discerning in the deployments of their practice.
- Deeply engaged with their students and the communities served.
- Relentless life-long learners.
- Collaborative influencers and thought leaders in the profession.

Goals

In order to achieve our Vision and realize our Mission, the LSU-Shreveport School of Education will intentionally and relentlessly:

- Conduct, consume, and synthesize research in the practice of teaching and learning, organizational effectiveness, human development, and educational policy.
- Identify, recruit, prepare, and continually support educators with the highest ethical and professional standards.
- Develop practitioners committed to the education of the whole student, attending equally to the intellectual, social, physical, and emotional growth of the learner.
- Evaluate, deploy, and teach the use of the most robust tools available to optimize learning.
- Influence and advocate for policy that promotes the best possible futures for ALL.
- Model and teach a mindset of service to others.
- Consider and more deeply understand the social and historical contexts in which our candidates and their students live and work.
- Effectively use data of many types and origins to affect improvement in both the learning endeavor as well as organizational effectiveness.
- Seek to understand and deploy best practices for personal and organizational health and wellbeing.
- Engage and partner with a wide array of communities, entities, and institutions to advance a mindset of continuous improvement toward the actualization of learning organizations that ensure safe, orderly, and nurturing learning environments.
- Focus on producing future-ready learners who can achieve success in both college and career setting.
- Manifest the resilience necessary to manage and overcome the social, political, emotional, and learning challenges of the 21st century learning environment.

- Provide ongoing professional support and growth opportunities for our candidates and graduates as they move into the myriad roles of the learning endeavor.

Teacher Education Program Admission and Retention (TEPAR)

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 ENGL 105, ENGL 115, and COMM 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 mathematic 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 Clinical Experiences in Education

The capstone of all good teacher education programs is the clinical 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 ED 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 ED 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 ED 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:	Cay Evans	BE384C	797.5032
Faculty:	Katie Chavis	BE363	797.5037
	Alisha Cooper	BE369	795.4256
	Joyce Farrow	BE367	797.5040
	Melissa Hawthorne	BE370	798.4122
	Yong Hwang	BE364	797.5099
	Russ Perry	BE366	797.5035
	Cassandra Williams	BE362	797.5174
	Aidong Zhang	BE361	795.4247
Director of Clinical Practice:	Tracey Burrell	BE381	797.5100
Assessment Coordinator:	vacant		
Director, Teach LSUS:	Jacqueline Langford	BE384B	795.4236

BACHELOR OF SCIENCE IN EARLY CHILDHOOD EDUCATION (BS)

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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 102 or free elective^	3	ED 201, 202, 250, 300	12
ENGL 105, 115*	6	ENGL 205, 210, 215, or 220*	3
COMM 130*	3	KHS 215	1
MATH 121*	3	FA 140 or MUS 120*	3
MATH 124 or 260*	3	GEOG 105, 106, 251, or 252	3
SOCL 107*	3	MATH 127	3
HIST 145*	3	PSYC 206*	3
PHSC 105 or 106*	3	PSYC 207	3
BIOS 101, 106*	6		31
	33		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ENGL 301	3	ED 319, 411, 412, 416, 418, 419, 420	20
ED 307, 308, 311, 314, 316, 317, 318, 417	24	ED 422	6
LIBS 415	3	ED 423	3
	30		29

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

BACHELOR OF SCIENCE IN ELEMENTARY EDUCATION (BS)

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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 102 or free elective^	3	ED 201, 202, 250, 300	12
BIOS 101, 106*	6	ENGL 205, 210, 215, or 220*	3

COMM 130*	3	FA 140 or MUS 120*	3
ENGL 105, 115*	6	GEOG 105, 106, 251, or 252	3
MATH 121*	3	MATH 217	3
MATH 124 or 260*	3	PHSC 105*	3
MATH 127	3	PHSC 106	3
HIST 145*	3	PSYC 206*	3
	30		33
JUNIOR YEAR	Sem. Hrs.	SENIOR YEAR	Sem. Hrs.
ED 308, 309, 311, 314, 316, 317	18	ED 318, 319, 411, 412, 416	14
ENGL 301	3	ED 422	9
KHS 215	1	LIBS 415	3
PSYC 207	3	EDST 401	3
SOCL 107*	3		29
HIST 105 or 106	3		
	31		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

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**
ED 388	ED 388
ED 202	ED 202
ED 304	ED 409
ED 305	ED 304
ED 303	ED 305
ED 319	ED 303
Praxis II exam requirement: **Special Education: Core Knowledge and Mild to Moderate Applications #0543* **The Praxis exam may be taken upon completion of coursework and is required prior to applying for the addition of the endorsement.*	

BACHELOR OF SCIENCE IN SECONDARY EDUCATION (BS)

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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 102 or free elective^	3	ENGL 200, 206	6
ENGL 105, 115*	6	ENGL 205 or 210*	3
COMM 130*	3	FA 140, 240, or 241*	3
HIST 105 or 106*	3	ED 201, 202, 250, 320	12
HIST 145 or 146	3	PSYC 206*	3
MATH 121*	3	PSYC 208	3
Mathematics*	3		30
Natural Sciences*	6		
SOCL 107*	3		
	33		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ENGL 301	3	ENGL 455, 460, or 465	3
ENGL 406, 408, 409, or 425	3	ENGL 470 or 471	3
ENGL 407, 410, or 420	3	ENGL 485	3
ENGL 440 or 450	3	ED 421, 436	5
LIBS 412	3	ED 422	9
ED 300, 413, 414, 430	12	Free elective	3
Natural Sciences*	3		26
KHS 215	1		
	31		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

SECONDARY EDUCATION
Mathematics
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 102 or free elective^	3	ED 201, 202, 250, 300	12
ENGL 105, 115*	6	ENGL 205, 210, 215, or 220*	3
COMM 130*	3	MATH 121, 150*	6
HIST 145 or 146*	3	MATH 201, 221	7
Natural Sciences*	9	PSYC 206*	3
FA 140, 240, or 241*	3		31
SOCL 107*	3		
	30		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ED 320, 413	6	MATH 413, 461	6
KHS 215	1	ED 414, 421, 430, 437	11
PSYC 208	3	ED 422	9
MATH 222, 223, 235, 254, 260, 407	19	EDST 401	3
	29	Free elective	1
			30

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

SECONDARY EDUCATION
Science (Biology)
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 104 or free elective^	3	CHEM 121*, 121L	4
ENGL 105, 115*	6	BIOS 224, 224L, 284, 284L	8
COMM 130*	3	ED 201, 202	6
BIOS 110*, 110L, 120*, 120L	8	ENGL 205, 210, 215, or 220*	3
FA 140, 240, or 241*	3	PSYC 206*	3
MATH 121, 122*	6	PSYC 208	3
	29	HIST 145 or 146*	3
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
BIOS 285, 285L, 320, 320L, 363, 363L	12	BIOS 440, 440L	4
ED 250, 300, 320, 430	12	PHYS 251	3
SOCL 107*	3	KHS 215	1
HIST 480 or SC 480	3	ED 413, 421, 435	8
ENSC 101	3	ED 414[1]	3
	33	ED 422[1]	9
			28

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]ED414 and ED422 must be taken concurrently.

SECONDARY EDUCATION
Science (Chemistry)
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 104 or free elective^	3	CHEM 255, 255L, 265, 265L	8
CHEM 121*, 121L, 124*, 124L	8	BIOS 110*, 110L	4
COMM 130*	3	ED 201, 202	6
ENGL 105, 115*	6	ENG 205, 210, 215, or 220*	3
MATH 121, 122*	6	HIST 145 or 146*	3
FA 140, 240, or 241*	3	PSYC 206*	3
	29	PSYC 208	3
			30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
PHSC 106	3	ED 413, 414, 421, 435	11
CHEM 266, 266L	4	ED 422	9
ED 250, 300, 320, 430	12	KHS 215	1
SOCL 107*	3	PHYS 251, 251L	4
HIST 480 or SC 480	3	PHSC 201	3
Four credits from the following:		Free electives	4
CHEM 290(1), 301(1), 375(3)			32
490(1-3), and BCHM 410(3),			
410L(1), 412(3), 412L(1)	4		
	29		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

SECONDARY EDUCATION
Science (Physics)
Total Hours: 123

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 104 or free elective^	3	ED 201	3
COMM 130*	3	ENGL 205, 210, 215, or 220*	3
ENGL 105, 115*	6	MATH 222, 223, 355	11
FA 140, 240, or 241*	3	PSYC 206*	3
ASTR 105 or PHSC 105	3	PSYC 208	3
HIST 145 or 146*	3	PHYS 261*, 261L, 262*, 262L	8
MATH 121, 150*	6		31
MATH 221	4		
	31		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
ED 202, 250, 300, 320, 413, 430	18	ED 414, 421, 435	8
PHYS 325, 335, 365	9	ED 422	9
CHEM 121, 121L	4	SOCL 107*	3
HIST 480 or SC 480	3	PHYS 375	3
	34	BIOS 110*, 110L	4
			27

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

SECONDARY EDUCATION
Social Studies
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 102 or free elective^	3	ED 201, 202	6
ENGL 105, 115*	6	ENGL 205, 210, 215, or 220*	3
COMM 130*	3	Mathematics*	3
HIST 110*	3	PSYC 206*	3
HIST 105, 106, or 107	3	HIST 145, 146	6
Natural Sciences*	6	Natural Sciences*	3
FA 140, 240, or 241*	3	ECON 201 or 202	3
POLI 151	3	GEOG 251 or 252	3
MATH 121*	3		30
	33		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
SOCL 107*	3	HIST 251, 252, 414, or 415	3
ED 250, 300, 320, 413	12	GEOG 450	3
KHS 215	1	ED 414, 421, 430, 438	11
PSYC 208	3	ED 422	9
HIST 271	3		26
History 300+ (American History)	3		
Political Science 300+	3		
History 300+ (European History)	3		
	31		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

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 mathematic 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**
PSYC 207	Child Psychology	3
ED 202	Introduction to Technology in Education	3
ED 250	Introduction to Special Education	3
ED 310	Materials and Methods in Elementary Social Studies and Science	3
ED 315	Materials and Methods in Elementary School Math	3
ED 317	Reading/Writing Processes I	3
ED 318	Reading/Writing Process II	3
ED 319	Practicum in Reading	3
ED 412	Classroom Management in the Elementary School	3
	One of the following:	

ED 422	Clinical Practice – Student Teaching (one semester)	6
ED 424	Clinical Practice – Internship (six hours/semester/two semesters, requires a full-time teaching position)	6
NOTE: *ED 317, ED 318, and ED 319 are sequence courses. They must be taken in order and they may not be taken together.*		
SECONDARY EDUCATION		
COURSE	**TITLE**	**CRS/HRS**
PSYC 208	Adolescent Psychology	3
ED 202	Introduction to Technology in Education	3
ED 250	Introduction to Special Education	3
ED 320	Materials and Methods in Secondary School Reading	3
ED 413	The Middle School	3
ED 414	Classroom Management in the Secondary School	3
ED 430	Principles of Learning and Teaching – Required prior to Methods Coursework	3
	One of the following Methodology classes:	
ED 435	Materials and Methods in Secondary Sciences	3
ED 436	Materials and Methods in Secondary English	3
ED 437	Materials and Methods in Secondary Mathematics	3
ED 438	Materials and Methods in Secondary Social Studies	3
	One of the following:	
ED 422	Clinical Practice – Student Teaching (one semester)	6
ED 424	Clinical Practice – Internship (six hours/semester/two semesters, requires a full-time teaching position)	6
NOTE: *ED 430 must be completed prior to enrolling in methodology coursework.*		

Graduate Programs in Education

The **Master of Education in Curriculum and Instruction (MEDCI)** is a 30 credit hour program offering a General focus as well as areas of specialization in Education STEM, Educational Technology Leader, English as a Second Language (ESL), Literacy and Reading, and Urban Teaching and Leadership. The programs are 100% online and include accelerated courses, each of which last seven weeks.

The **Master of Education in Educational Leadership (MEDL)** program is a 34 credit 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. This program is 100% online and includes accelerated courses, each of which last seven weeks.

School of Human Sciences

The School of Human Sciences offers undergraduate degrees in Psychology and Community Health.
In addition, a Reserve Officer Training Corp's Military Science Program is offered in cooperation with Northwestern State University Louisiana.
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 Master of Science in Counseling program is accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP).*
***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	BE348B	797.5344
Faculty:	Cory Coehoorn	BE346A	797.5101
	Matthew Kelley	BE388C	797.5114
	Marshae McNeal	BE388E	797.4170
	Syed Noor	BE388D	797.5197
	Kyle Pierce	BE346B	795.4241
	Jill Rush-Kolodzey	BE388A	797.5218

BACHELOR OF SCIENCE IN COMMUNITY HEALTH (BS)

People interested in assisting individuals and communities live healthier, happier lives choose **Community Health** as a major. Community and Public Health Specialists work with groups of people, usually in a community setting, promoting physical activity, protecting and preserving health. The Community and Public 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 and Public Health Specialists are interested in developing community-based education programs that promote healthy lifestyles that help prevent disease.
In preparation towards becoming a Community and Public Health Specialist, 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 Council on Education for Public Health Foundational Knowledge Areas and Competencies. In addition, the coursework assures that graduates have the needed areas of responsibilities and specific 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 or other approved certifications. A Community Health major must pass each required KHS course with a grade of C or better to count toward graduation.

The majority of professional schools for Physical Therapy or Occupational Therapy have rigorous and strict guidelines for acceptance. It is important that the LSU Shreveport program direct students in a career path that is successful toward meeting individual career goals. The department has established a transition point for all student in the Pre-PT or Pre-OT concentration to continue. Hereby, the following criteria are required for continuance of study in the specific Pre-PT or OT concentrations after completion of 60 credit hours.

1. For both Pre-Physical Therapy and Pre-Occupational Therapy Concentration students, the GPA on all college work attempted must by 3.0 or better.
2. For students following the Pre-Physical Therapy coursework, they must have a GPA of 3.2 or greater in all undergraduate math and science courses.
3. For students following the Pre-Occupational Therapy coursework, they must have a minimum GPA of 3.2 for the prerequisite courses: PSYC 405, PSYC 209, CHEM 110 or CHEM 121, KHS 325, KHS 325L, KHS 340, SOCL 105, MATH 210 or MATH 260, BIOS 284, BIOS 284L, BIOS 285, and BIOS 285L.

The department undergraduate committee will administer the screening program. Any student 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, he or she will be removed from the concentration. Alternative concentrations and career paths will then be discussed with their advisor.

***All Community Health majors must complete the following core and required courses*:**

Health Process Core Courses: KHS 201, KHS 226, KHS 230, KHS 281, KHS 310, COMM 333, KHS 334, KHS 335, KHS 336, KHS 405, KHS 410, KHS 462, MADM 491, and KHS 491

Physical Education Service and Fitness Courses: HPE 100 and HPE 128 or HPE 130

Additional Social/Behavioral Science Requirement: PYSC 405 or PSYC 455

All Community Health majors must select a specific concentration from the following:

Concentration I: ***Nonprofit Administration:*** 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: ***Exercise Science:*** 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: ***Pre-PT:*** 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 program at New Orleans or Shreveport campuses

Concentration V: ***Pre-OT:*** For students utilizing Community Health as the baccalaureate degree major for fulfilling prerequisite requirements for admission to the LSU School of Allied Health Occupation Therapy program at New Orleans or Shreveport campuses

Concentration VI: ***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 VII: ***Strength and Conditioning:*** For those individuals seeking expertise in Strength and Conditioning designed to comply with National Strength and Conditioning Association (NSCA) guidelines

The student majoring in Community Health with a concentration in **Nonprofit Administration** must take 43 credit hours of Health Process Core courses and 30 credit hours of Nonprofit Administration concentration courses.

COMMUNITY HEALTH
Nonprofit Administration
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 102 or free elective^	3	Humanities*	6
ENGL 105, 115*	6	Natural Sciences*	3
Humanities*	3	KHS 201, 226, 230, 281[1]	12
Natural Sciences*	6	KHS 240*	3
MATH 121*	3	Social and Behavioral Sciences*	3
MATH 210 or 260*	3	SOCL 192[4]	3
Fine/Performing Arts*	3		30
HPE 100, 128, or 130	2		
	29		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
KHS 310, 334, 335, 336[1]	12	KHS 405, 410, 462, 491[1]	13
COMM 333[1]	3	PSYC 405 or 455	3
MADM 491[1]	3	SOCL 492, 499[1]	6
SOCL 302, 392[2]	6	MADM 301[2]	3
Approved electives[2]	7	MKT 301[2]	3
	31	Approved elective[2]	2
			30

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]*Health Process Core courses*
[2]*Concentration Courses including approved electives*

The student majoring in Community Health with a concentration in **Health Behavior** must take 43 credit hours of Health Process Core courses and 30 credit hours of Health Behavior concentration courses.

COMMUNITY HEALTH
Health Behavior
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 102 or free elective^	3	Humanities*	6
ENGL 105, 115*	6	Natural Sciences*	3
Humanities*	3	KHS 240*	3
Natural Sciences*	6	KHS 201, 226, 230, 281[1]	12
MATH 121*	3	Social and Behavioral Sciences*	3
MATH 210 or 260*	3	Approved electives[2]	3
Fine/Performing Arts*	3		30
HPE 100, 128, or 130	2		
	29		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
KHS 310, 334, 335, 336[1]	12	KHS 405, 410, 462, 491[1]	13
KHS 308, 311, 312, 315[2]	11	PSYC 405 or 455	3
COMM 333[1]	3	PSYC 450[2]	3
MADM 491[1]	3	Approved electives[2]	11
Approved electives[2]	2		30
	31		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]*Health Process Core courses*
[2]*Concentration Courses including approved electives*

The student majoring in Community Health with a concentration in **Exercise Science** must take 43 credit hours of Health Process Core courses and 30 credit hours of Exercise Science concentration courses.

COMMUNITY HEALTH
Exercise Science
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 102 or free elective^	3	Humanities*	6
ENGL 105, 115*	6	Natural Sciences*	3
Humanities*	3	KHS 240*	3
Natural Sciences*	6	KHS 201, 226, 230[1]	9
MATH 121*	3	KHS 235, 250[2]	6
MATH 210 or 260*	3	Social and Behavioral Sciences*	3
Fine/Performing Arts*	3		30
HPE 100, 128, or 130	2		
	29		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
KHS 281, 310, 334, 335, 336[1]	15	KHS 405, 410, 462, 491[1]	13
KHS 325, 325L, 326, 327, 401[2]	11	KHS 425, 425L, 440, 460, 461[2]	13
COMM 333[1]	3	PSYC 405 or 455	3
MADM 491[1]	3		29
	32		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]Health Process Core courses
[2]Concentration Courses including approved electives

The student majoring in Community Health with a concentration in **Pre-PT** must take 43 credit hours of core courses and 30 hours of concentration courses. Coursework is based upon requirements for LSU Health School of Allied Health. Within the concentration, there is the potential to meet the requirements for the American College of Sports Medicine Exercise Physiologist Exam by completing additional coursework.

COMMUNITY HEALTH
Pre-Physical Therapy
Total Hours: 123

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 102 or free elective^	3	Humanities*	3
ENGL 105, 115*	6	Fine/Performing Arts*	3
Humanities*	6	MATH 122*,[2]	3
BIOS 110*, 110L, 120*, 120L[2]	8	CHEM 121*, 121L[2]	4
MATH 121*	3	KHS 201, 226, 230[1]	9
MATH 210 or 260	3	KHS 240*	3
HPE 100	1	BIOS 284, 285[2]	6
	30		31
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
KHS 281, 310, 334, 335, 336[1]	15	KHS 405, 410, 462, 491[1]	13
MADM 491	3	KHS 325[2]	3
PHYS 251, 251L[2]	4	COMM 333	3
CHEM 124, 124L[2]	4	PSYC 405[2]	3
PSYC 209*	3	PHYS 252, 252L[2]	4
HPE 128 or 130	1	Biological Sciences 300/400+[2]	3
	30	ENGL 325[2]	3
			32

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]Health Process Core courses
[2]Concentration Courses including approved electives

The student majoring in Community Health with a concentration in **Pre-OT** must take 43 credit hours of core courses and 30 hours of concentration courses. Coursework is based upon requirements for LSU Health School of Allied Health. Within the concentration, there is the potential to meet the requirements for the American College of Sports Medicine Exercise Physiologist Exam by completing additional coursework.

COMMUNITY HEALTH
Pre-Occupational Therapy
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 102 or free elective^	3	Humanities*	6
ENGL 105, 115*	6	CHEM 121*	3
Humanities*	3	KHS 201, 226, 230, 240, 281[1]	15
BIOS 110*, 110L, 120*, 120L	8	BIOS 284, 284L, 285, 285L[2]	8
MATH 121*	3		32
MATH 210 or 260*	3		
Fine/Performing Arts*	3		
Health and Physical Education	1		
	30		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
KHS 310, 334, 335, 336[1]	12	KHS 405, 410, 462, 491[1]	13
KHS 325, 325L[2]	4	KHS 340[2]	3
MADM 491	3	Kinesiology and Health Science[3]	10
SOCL 105*	3	PSYC 405	3
COMM 333	3		29
PSYC 209*	3		
HPE 128 or 130	1		
	29		

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

Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]*Health Process Core courses*
[2]*Concentration Courses including approved electives*
[3]*Concentration electives: Choose 10 credit hours from KHS 327, KHS 401, KHS 425, KHS 425L, KHS 460, or KHS 461*

The student majoring in Community Health with a concentration in **Health and Fitness Management** must take 43 credit hours of Health Process Core courses and 30 credit hours of Health and Fitness Management concentration courses.

COMMUNITY HEALTH
Health and Fitness Management
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 102 or free elective^	3	Humanities*	6
ENGL 105, 115*	6	Natural Sciences*	3
Humanities*	3	KHS 240*	3
Natural Sciences*	6	KHS 201, 226, 230, 281[1]	12
MATH 121*	3	Social and Behavioral Sciences*	3
MATH 210 or 260*	3	ACCT 205	3
Fine/Performing Arts*	3		30
HPE 100, 128, or 130	2		
	29		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
KHS 310, 334, 335, 336[1]	12	KHS 405, 410, 462, 491[1]	13
KHS 308[2]	3	PSYC 405 or 455	3
COMM 333	3	FIN 301[2]	3
MADM 301[2]	3	MADM 491[1]	3
ECON 201, 202[2]	6	MKT 301[2]	3
ACCT 206[2]	3	Approved electives[2]	6
	30		31

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]*Health Process Core courses*
[2]*Concentration Courses including approved electives*

The student majoring in Community Health with a concentration in **Strength and Conditioning** must take 43 credit hours of Health Process Core courses and 30 credit hours of Strength and Conditioning concentration courses.

COMMUNITY HEALTH
Strength and Conditioning
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 102 or free elective^	3	Humanities*	6
ENGL 105, 115*	6	Natural Sciences*	3
Humanities*	3	KHS 235	3
Natural Sciences*	6	KHS 201, 226, 230, 281[1]	12
MATH 121*	3	KHS 240*	3
MATH 210 or 260*	3	Social and Behavioral Sciences*	3
Fine/Performing Arts*	3		30
HPE 100, 128, or 130	2		
	29		
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
KHS 310, 334, 335, 336[1]	12	KHS 405, 410, 462, 491[1]	13
KHS 325, 325L, 327, 425, 425L[2]	11	KHS 427, 440, 490, 497[2]	12
COMM 333[1]	3	PSYC 405 or 455	3
MADM 491[1]	3	Approved electives[2]	3
HPE 150[2]	1		31
	30		

^FRESHMAN SEMINAR: ***Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.***
Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.
[1]*Health Process Core courses*
[2]*Concentration Courses including approved electives*

Articulations with local community colleges:

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.

BPCC Degree	LSUS Degree	Hours Transferred
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.

SUSLA Degree/Certificate	LSUS Degree	Hours Transferred
Dental Hygiene	Bachelor of Science in Community Health	60
Health Information Technology		
Radiologic Technology		
Respiratory Therapy Technology		
Medical Laboratory Technician		
Surgical Technology		

In collaboration with LSU Baton Rouge, LSUS provides the opportunity for students to pursue a degree in Sport Administration. A prescribed joint LSUS/LSU Baton Rouge curriculum with a transfer point to LSU Baton Rouge after the 5th semester, enables student to acquire the degree without a residency requirement in Baton Rouge. See Dept. of Kinesiology and Health Science for additional information.

MILITARY SCIENCE

Reserve Officers' Training Corps' General Military Science Program The senior ROTC program at LSUS is voluntary. Successful completion of ROTC will qualify students who desire to service their country to be commissioned as officers in the Army (on active duty), the U.S. Army Reserve, or the Army National Guard upon graduation.

Four-Year Program The four-year program is divided into two parts: (1) Basic Course, first two years and (2) Advanced Course, including summer camp, last two years.

The Basic Course consists of classroom instruction for a minimum of one hour and a two-hour laboratory per week. No commitment is incurred by students who enroll in the Basic Course.

The Advanced Course consists of classroom instruction for a minimum of two hours per week, a two-hour laboratory for two academic years, and attendance at a five-week summer camp, normally between the junior and senior academic year. Advanced Course students are required to do physical training three hours per week as part of the laboratory. Also, Advanced Course students must take at least one course from each of the following academic areas: Written Communication Skills, Military History, Computer Literacy, Mathematics, and Human Behavior (Social Science or Psychology). In addition, HIST 410 is required. Specific requirements are available from the Department of Kinesiology and Health Science, BE348B.

Two-Year Program The two-year program allows qualified sophomores and juniors to enter the Advanced Course program in one of five ways:

1. Completion of the Basic ROTC Summer Camp (MILS 207) in the summer before their junior year,
2. Honorably discharged prior service students, who were eligible to reenlist and who will be under the age of 30 on the date of commissioning and/or graduation,
3. Current members of the Army Reserve or Army National Guard who enroll in the Simultaneous Membership Program (SMP),
4. Accelerated Cadet Commissioning Training (ACCT), or
5. Alternate Entry Option (AEO).

Enrollment

To be eligible for enrollment in the Basic Course, a student must:

1. Be accepted by the University as a full-time enrolled student, and
2. Be at least 17 years of age at time of enrollment.

To be eligible for enrollment in the Advanced Course, a student must meet the above requirements AND:

1. Be a citizen of the United States,
2. Be physically qualified under standards prescribed by the Department of the Army,
3. Be enrolled as a full-time student,
4. Apply for admission into the Advanced Course,
5. Be accepted by the Professor of Military Science,
6. Be at least 17 and not more than 27 years of age at the time of enrollment and graduate before the age of 30 (Age waivers to age 34 are possible for exceptional students.),
7. Have a cumulative GPA of at least 2.0.
8. Have completed the ROTC Basic Course or equivalent as listed under the two-year program,
9. Be classified as an academic junior by the University.

Scholarship Program Two-, three-, and four-year Army ROTC scholarships, as well as civic scholarships, provide financial assistance for qualified and selected students who exhibit strong motivation toward careers as officers in the United States Army. An Army ROTC scholarship will pay all tuition expenses, textbook allowance, mandatory laboratory expenses (except Aviation fees), and provide a tiered stipend of $300, $350, $450, or $500 per month for each academic year during enrollment.

To apply for an ROTC scholarship, the student must:

1. Display a strong desire for a career as an officer in the Regular Army,
2. Be a citizen of the United States,
3. Have a minimum cumulative GPA of 2.5 and an ACT score of 19 or higher,
4. Be at least 17 years of age by October of the year in which the application is submitted,
5. Pass the U.S. Army Officer physical entrance examination,

6. Agree to accept a commission, if offered, and
7. Agree to serve at least four years on active duty.

Commissions Upon completion of the Advanced Course and graduation from the University, a student may be commissioned as a Second Lieutenant to serve on active duty or be offered a commission in the U.S. Army Reserve or National Guard. Commissions in the Army Reserve or National Guard can be guaranteed to individuals who express this preference. A delay to enter into active duty may be granted to students who desire to pursue full-time courses of instruction leading toward advanced degrees. Commissioners incur an eight-year service commitment. Non-scholarship students can serve on active duty or serve in the National Guard or Reserves in an active or inactive status, or any combination thereof, totaling eight years. Scholarship students are expected to serve on active duty for four years with a three- or four-year scholarship or three years with a two-year scholarship.

Uniforms, Texts, and Equipment The government lends all uniforms, texts, and equipment required at each level of the program. These items must be returned upon leaving the ROTC program at LSUS or upon commissioning.

Allowances Advanced Course students and ROTC Scholarship recipients receive non-taxable subsistence pay of $300 to $500 per month during the school year and one-half of a second lieutenant's pay (approximately $800) during ROTC summer camp. All travel expenses are reimbursed and room and board is provided during camp.

Leader's Training Course Cadets take part in the Leader's Training Course when they enter Army ROTC going into their junior year. This course, made up of four phases, allows Cadets to "catch up" with those who joined in their freshman or sophomore years. The first phase introduces Cadets to the Army and prepares them for the next three phases consisting of team-building, leadership development, and field training exercises.

Leader Development and Assessment Course Every Army ROTC Cadet who enters into the Advanced Course attends the Leader Development and Assessment Course. It's a four-week summer course to evaluate and train all Army ROTC Cadets. This course normally takes place between the junior and senior years of college and is conducted at Fort Lewis, Washington.

Special Summer Training Special three- to four-week summer training opportunities are available to selected Basic Course and/or Advanced Course students who volunteer and are qualified. This training includes Airborne School, Air Assault School, Northern Warfare School, Mountain Warfare, Survival Evasion Resistance Escape, United Kingdom UTOC, and Cadet Troop Leader Training Program. Travel expenses and room and board are provided for these U.S. Army Schools.

Leadership Studies

Chair:	John Harrison	BE117C	795.4279
Faculty:	Kevin Baxter	BE117	795.4279
	Trey Gibson	BE117	797.5033
	Ozlem Gumus	BE117	795.4223
	Julie Lessiter	AD269	795.4238

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	795.4211
	John Harrison	BE117C	797.5384
	Kevin Jones	BE358	797.5043
	Kevin Krug	BE354	795.2411
	Mary Margaret Lusk	BE357	797.5277
	Meredith Nelson	BE353	797.5199
	Lee Purvis	BE359	797.5143

Hsin-Ya Tang	BE373	797.5046
Seth Whiting	BE348	797.5264
Katherine Wickstrom	BE117C	797.5173

BACHELOR OF SCIENCE IN PSYCHOLOGY (BS)

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 45 required credits in Psychology (15 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. in Counseling program is a CACREP accredited program, and 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 of academic study plus one-year internship) which directly leads to certifications as a School Psychologist.

PSYCHOLOGY
Total Hours: 120

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
FS 102 or free elective^	3	PSYC 212, 216, 217	9
PSYC 152, 209	6	Natural Sciences*	3
BIOS 101, 104, 105, 107, 108, 109		COMM 135*	3
110, or 120*	6	PHIL 105, ENGL 205, 206, 210, 215,	
ENGL 105, 115*	6	or 220*	3
MATH 121, 122, 124, 128, 150, 221,		Social and Behavioral Sciences*	3
222, or 260*	6	Biological or Physical Sciences electives	3
HIST 105, 106, 107, 145, or 146*	3	Free electives	6
	30		30
JUNIOR YEAR	**Sem. Hrs.**	**SENIOR YEAR**	**Sem. Hrs.**
PSYC 317, 350, 404, 411	12	PSYC 405, 422, 428, 455	12
Biological or Physical Sciences electives	3	Psychology Electives 300+ or 400+	6
Social and Behavioral Sciences*	3	Free electives	12
Fine/Performing Arts*	3		30
Free electives	9		
	30		

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

Fulfills GENERAL EDUCATION course requirements.** ***See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS.

All Psychology courses must have a grade of C or better to count toward graduation.

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

FRESHMAN YEAR	Sem. Hrs.	SOPHOMORE YEAR	Sem. Hrs.
ENGL 105, 115	6	CHEM 121	3
MATH 121, 122	6	Computer Science	3
PSYC 152	3	English 200-level and 301 or 325	6
BIOS 120, 120L, 282	7	Social Science electives	6
SOCL 105	3	PSYC 207 or 208	3
COMM 135	3	PSYC 212, 305	6
Humanities elective	3	MATH 210 or PSYC 216	3
	31		30

JUNIOR YEAR	Sem. Hrs.	SENIOR YEAR
PSYC 405	3	Admission to the curriculum in Rehabilitation Counseling at the LSU School of Allied Health Is on a competitive basis.
Fine Arts elective	3	
Social Science elective	3	
Humanities elective	3	
Electives	17	
	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 Sciences

The **Doctor of Education in Leadership Studies (EDD)** program is a 63-hour, interdisciplinary doctoral degree designed for working adults interested in earning a practitioner's terminal degree. The concentrations in Military Leadership, Law Enforcement Leadership, and Leadership Studies allow graduate students to gain expertise in leadership as it relates to their specific career interests. This program is focused on leadership theory and practice and is open to persons with master's degrees in all disciplines. The emphasis of the program is on the needs of practitioner-scholars, rather than research-scholars.

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. The curriculum includes courses specifically designed to incorporate 15 foundational public health knowledge areas and 27 foundational competencies identified by the Council of Education for Public Health (CEPH) as essential to the MPH educational process. All students are required to take the foundational and required courses, 30 credit hours. The last phase of the program consists of an Applied Practice Experience (internship – 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 an MPH Integrated Learning Experience (capstone – 3 credit hours) or Master's Thesis (6 credit hours). Students who choose the MPH Integrated Learning

Experience will complete an additional six credits of electives. Students who choose to complete a thesis may waive one elective. In both the Applied Practice Experience 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 CACREP-accredited graduate program that has the training of professional counselors as its objective.

For additional information about the Master of Science in Counseling degree, please see the *GRADUATE STUDIES* section of the catalog.

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 the Council for the Accreditation of Educator Preparation (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 DA 210, MKT 301, and any five of the following courses: DA 315, DA 317, DA 318, MKT 305, MKT 310, and MKT 312

***Biological Sciences:** 24 hours consisting of the following courses: 4 hours of BIOS 110, BIOS 110L; 4 hours of BIOS 120, BIOS 120L; 3 hours of BIOS 210; and 13 hours of BIOS electives at the 300- or 400-level.

***Chemistry:** 24 hours consisting of the following courses: 8 hours of CHEM 121, CHEM 121L, CHEM 124, CHEM 124L; 4 hours of CHEM 255, CHEM 255L; 8 hours of CHEM 265, CHEM 265L, CHEM 266, CHEM 266L; 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 CSC 115, ED 202, or MADM 150; plus 12 hours of CSC 135, CSC 145, CSC 242, CSC 345; plus 6 hours of CSC electives at the 300- or 400-level.

***Criminal Justice:** 21 hours consisting of CJ 107 plus 18 hours of CJ courses, 12 of which must be 300+.

***Digital Arts:** 21 hours consisting of DA 110, DA 210, DA 220, and DA 315; plus nine hours of DA courses, six of which must be 300+.

***Electronic Media:** 18 hours consisting of MCOM 151, MCOM 252, MCOM 285, MCOM 320, MCOM 381, and MCOM 455.

***Electronics:** 22 hours of Physics consisting of 7 hours of PHYS 120 and PHYS 220; 6 hours of PHYS 251 and PHYS 252 or PHYS 261 and PHYS 262; and 9 hours of PHYS 320, PHYS 420, and PHYS 495.

***English:** 21 hours consisting of ENGL 200, ENGL 205, ENGL 206, and ENGL 210; plus 9 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:** 18 hours consisting of 101, 102, and 201; plus 9 hours of foreign language courses, 6 of which must be 300+.

***History:** 21 hours consisting of HIST 105, HIST 106, HIST 145, and HIST 146; plus 9 hours of History courses 300+.

***Honors Interdisciplinary Study:** 18 hours consisting of HONR 101, HONR 102, HONR 201, HONR 202, HONR 395, and HONR 495.

***International Studies:** 6 hours consisting of INTL 250 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.): BLAW 420. ENGL 485, ECON 460, FIN 440, FREN 205+, GEOG 105, GEOG 106, GEOG 252, GEOG 490*, HIST 251, HIST 252, HIST 385, HIST 386, HIST 414, HIST 415, HIST 424, HIST 430, HIST 431, HIST 432, HIST 433, HIST 435, HIST 440, HIST 441, HIST 446, HIST 447, INDS 101, INDS 211, MADM 360, MADM 430, MKT 440, PHIL 105, PHIL 305, PHIL 306, POLI 203, POLI 204, POLI 424, POLI 425, POLI 460, RELS 490*, SOCL 317, SOCL 460, SPAN 205+; (*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 MCOM 151, MCOM 313, MCOM 317, MCOM 343; plus 6 hours of additional MCOM courses.

***Legal Studies:** 9 hours consisting of CJ 107, POLI 101, and POLI 151; plus 12 hours chosen from the following (9 of which must be 300+): BLAW 230, BLAW 280, BLAW 324, BLAW 332, BLAW 333, BLAW 415, BLAW 460, CJ 301, CJ 353, COMM 331, ENGL 325, POLI 211/CJ 211, POLI 411/CJ 411, POLI 425, and POLI 442.

***Life Course and Aging Studies:** 9 hours consisting of KHS 312, PSYC 209, SOCL 453L*; plus 12 hours chosen from the following: BLAW 460, FIN 331, FIN 340, GEOG 490, KHS 313, KHS 390, PSYC 207**, SOCL 495, SOCL 499 (**Compressed Video from LSU; **LSU Independent Study*)

***Mathematics:** 21 hours consisting of the following courses: MATH 221, MATH 222, MATH 223 = 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: SOCL 192, SOCL 302, SOCL 392*, SOCL 492*, and SOCL 499; plus 6 hours chosen from the following: LEAD 201, MADM 301, MCOM 446, MKT 301 (**cross-listed as Political Science*)
***Physics:** 23 hours consisting of the following courses: 11 hours of PHYS 120, PHYS 261, PHYS 261L, PHYS 262, PHYS 262L; and 12 hours of PHYS electives at the 300- or 400-level.
***Political Science:** 21 hours consisting of POLI 101 and POLI 151; plus 15 hours of Political Science courses, 9 of which must be 300+.
Professional Communications:** 9 hours* consisting of COMM 355 or COMM 440, ENGL 325 or ENGL 326, and CSC 111, ISDS 150, or MCOM 280; plus 12 hours** chosen from COMM 330, COMM 333, COMM 355, COMM 440, COMM 455, CSC 111, ENGL 226, ENGL 325, ENGL 326, ENGL 328, ENGL 499, ISDS 150***, MADM 210, MADM 301, MADM 321, MADM 430, MCOM 280, MCOM 313, MCOM 343, MCOM 475, MKT 330 (**courses taken for core credit cannot be taken for elective credit, **from at least two departments, ***students cannot take both CSC 111 and ISDS 150*).
***Public History:** 21 hours consisting of HIST 145, HIST 146, HIST 271, HIST 399, HIST 475, HIST 476, and HIST 495.
***Public Relations:** 18 hours consisting of MCOM 151, MCOM 210, MCOM 313, MCOM 320, MCOM 411, and MCOM 480.
***Public Safety Administration:** 6 hours consisting of CJ 107 and POLI 151; plus 9 hours chosen from CJ 331, POLI 201, POLI 306, and POLI 307; plus 6 hours chosen from CJ 252, CJ 254, CJ 303, CJ 306, CJ 435, CJ 445, POLI 434 (*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 SW 106, SW 280, SW 322, SW 360, SOCL 330, and PSYC 216.
***Sociology:** 21 hours consisting of SOCL 142 and SOCL 105 or SOCL 107; plus 15 hours of Sociology courses, 9 of which must be 300+.
***Speech:** 18 hours consisting of COMM 135, COMM 295, COMM 355; plus 9 hours of COMM courses, 6 of which must be 300+.
***Theatre:** 18 hours consisting of THEA 160, THEA 240 or THEA 241, THEA 261, THEA 361, THEA 470, and THEA 497.

College of Business

***Business:** 24 hours consisting of ACCT 205, ACCT 206, ECON 201, ECON 202, MATH 260 (or equivalent), MADM 301, MKT 301, and FIN 301. The minimum GPA for this minor is 2.0.
***Economics:** 6 hours consisting of ECON 201 and ECON 202; plus 12 additional hours of Economics at the 300+ level. 3 hours of Finance at the 300+ level may be included.

College of Education and Human Development

***Leadership Education and Development:** 12 credit hours consisting of LDSH 101, LDSH 202, LDSH 303, LDSH 405; plus 9 credit hours of approved electives, where at least three credit hours are 300-level or above, as approved by the Leadership Studies department chair.

Graduate Studies

Dean:	Sanjay Menon	AD245	797.5247
Directors:			
Doctor of Education in Leadership Studies:	John Harrison	BE117C	795.4279
Master of Arts in Liberal Arts:	Elisabeth Liebert	BH226	797.5371
Master of Science in Biological Sciences:	Amy Erickson	SC125	797.5105
Master of Business Administration:	Tami Knotts	BE101	797.5268
Master of Science in Computer Systems Technology:	Subhajit Chakrabarty	TC250	795.4283
Master of Education in Curriculum & Instruction:	Cay Evans (Interim)	BE384C	797.5032
Master of Education in Educational Leadership:	Russ Perry	BE366	797.5035
Master of Health Administration:	Mary Lois White	BE322	797.5103
Master of Science in Nonprofit Administration:	Stacey Hargis (Interim)	BH119	795.4245
Master of Public Health:	Jill Rush-Kolodzey	BE388A	797.5218
Master of Science in Counseling:	Kacie Blalock	BE356	797.5042
Specialist in School Psychology:	Kevin Jones	BE358	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

Master of Business Administration (MBA)
Master of Health Administration (MHA)

College of Education and Human Development

Doctor of Education in Leadership Studies (EdD)
Master of Education in Curriculum and Instruction (MEDCI)
Master of Education in Educational Leadership (MEDL)
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.ecfmg.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.ecfmg.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 sections on the new GRE format or at least 1000 for the combined analytical and quantitative sections 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.
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

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 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).

College of Education and Human Development

Doctor of Education in Leadership Studies (EDD): Applicants must complete and submit all required materials by the deadline posted on the EdD website in order to be considered for Fall admission. The EdD program is a selective admissions program and, as such, not all applicants who apply will be admitted. The following items should be sent directly to the LSUS Office of Graduate Admissions.

1. The LSUS Graduate Studies Application for Graduate Admissions, complying with all applicable guidelines and standards,
2. Master's degree from regionally-accredited college or university with a minimum cumulative graduate GPA of 3.5/4.0. Applicants with a cumulative graduate GPA between 3.00 and 3.49 may be considered for admission following the formal review process and an admission decision by the Chair of the Department of Leadership Studies,
3. All official transcripts from institutions where coursework has been attempted.

The following items should be sent directly to the Director of the EdD program:

1. Résumé/CV,
2. Professional recommendation letters from three sources,
3. Purpose statement from the applicant, including:

a. How the degree fits within the applicant's professional and personal goals,
b. The applicant's professional experience and how the applicant believes this will contribute to the program,
c. The coursework, professional experience, or other professional development that has prepared the applicant for conducting doctoral level research,
d. The applicant's area of research where there is a strong interest (military, law enforcement, or leadership concentration) and to explain the potential study that the applicant may want to develop.

Applicants who are selected to continue to the next round of review will be contacted for an interview via Online Video Service (Zoom, Skype, Adobe Connect, etc.). Final notification of admission status will be provided upon the completion of reviews and selection of applicants.

Master of Education in Curriculum and Instruction (MEDCI): Applicants to this program should have a graduate degree from an accredited university OR a 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.

Master of Education in Educational Leadership (MEDL): Applicants to this program should have a graduate degree from an accredited university OR a 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.

Master of Public Health (MPH): In addition to general University requirements for admission to graduate studies, all applicants to the MPH degree program must complete an asynchronous interview which reflects your goals and objectives and how the program may help you reach your goals, along with three electronic recommendations.

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) MSC Program Application Form; and (3) 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): Application to the SSP Program is a two-part process: Applicants must apply to the LSUS Office of Graduate Studies through the online process. This includes submission of all official transcripts from colleges/universities attended, official scores on the GRE exam, and immunization records. At the same time, applicants apply directly to the SSP Program. Applicants should send a personal letter of intent and resume/vita directly to the SSP Program, as well as request at least two letters of recommendation sent to SSP Director directly from references. Acceptance by Graduate Studies does not mean that you have been admitted into the SSP program, only that you have been admitted to take graduate coursework. Upon receipt of application, materials are reviewed by the School Psychology Training Committee to determine whether minimum admission requirements are met. This includes: 1) an undergraduate degree in psychology from an accredited institution or a BA/BS degree from an accredited institution with 12 or more hours of psychology coursework including behavioral sciences (psychology) statistics; 2) undergraduate GPA of at least 2.5 (on a 4.0 point scale); 3) a combined Verbal and Quantitative GRE of at least 288 taken within the past 5 years. Following review of application materials, applicants may be invited for a face-to-face or phone interview which is the final step of application process. The interview with faculty and current students focuses on the applicant's academic and career goals, as well as familiarity with the profession of school psychology. Application Deadlines: March 31 is early Fall admission; June 30th is the final deadline set by LSUS Graduate Studies. The SSP Program, however, begins reviewing applications and strives to complete admission decisions by April 15. Admission decisions are made by the SSP Program Training Committee on a competitive basis and enrollment is limited.

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 College 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 College of Business Graduate Programs: For students enrolled in College of Business Graduate Programs, the maximum number of graduate credits is 12 in a regular semester and 6 graduate credits each session (e.g., AP1, AP2).

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 SSP: Students enrolled in the SSP program may be classified as full-time when enrolled in their final fall and spring semester taking the pre-assigned course, even though the number of hours scheduled is less than ordinarily required for the classification. 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 College of Business, only credits obtained in an AACSB-accredited program may transfer. The Graduate Council may grant permission to accept a greater number of transfer credits (not to exceed 50% of the degree) in individual cases. 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 College 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 Ed.D. in Leadership Studies degree in the College of Education and Human Development, 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 Ed.D. 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.

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 College 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 foundation- and internship-type courses. The awarding of a P indicates a grade of B or better.

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.

Pass/Fail Option

Certain graduate courses grade all students on a pass/fail basis. Details regarding the pass/fail courses are contained within individual program requirement sections of this catalog. Additional information may be obtained from the office of the student's Program Director or College Dean.

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 LSUS 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, except when the grade of C is subsequent to the grade of D in the same course;
- Six credit hours with a grade of D or lower 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. Students reinstated as per college policy or on appeal are eligible to continue graduate studies unless the credit hours since the suspension result in one or more of the ineligibility conditions stated in this section.

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 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 student who has earned a grade of F in the current degree program will not be automatically readmitted. Readmission appeals for a grade of F must be in accordance with the following procedure:
    a. The readmission appeal will not be considered without two letters of recommendation, one each from the Dean of the College of Business and the Program Director. To initiate the letter of recommendation process, the student must submit by email a detailed explanation of the circumstances leading to the poor performance and an action plan for improvement to the Program Director at least 60 days prior to the start of the term in which the student wishes to be readmitted.
    b. If the Program Director notifies the student that two letters of recommendation will be submitted on his/her behalf, then 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.
4. 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.
5. 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.
6. If a student becomes ineligible for a second time, the student is expelled and is ineligible for readmission into that program.

Suspension/Readmissions Policy for students in the College of 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.
6. Academic programs within the college may have additional restrictions or requirements.

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

Catalog Use: The student must meet all 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 degree.) 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.

Procedural Requirements:

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 via his/her myLSUS account by clicking on "Graduation Application" under Quick Links. 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.

No graduate degree, whether honorary or earned, shall be conferred except by vote of the Board of Supervisors upon recommendation by the University and Graduate Faculty.

PREVIOUS COURSEWORK POLICY FOR A SECOND GRADUATE DEGREE

Students who wish to obtain a second graduate 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 graduate 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 graduate degree approve the credits. In the College of Business, only credits offered in an AACSB-accredited program may transfer. A maximum of twelve hours from the first graduate degree earned at LSUS may be applied towards the second, with additional LSUS graduate credit hours (up to 50% of the second graduate degree) applicable upon approval from the Program Director and the Graduate Council. The College of Business cannot accept more than 6 hours of transfer credit from other graduate 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. While no graduate coursework counted in a previous Master's degree may be applied towards a doctorate degree, doctoral courses taken for the doctoral program may be applied towards a master's degree with approval from the program director. 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 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.

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 MLA 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. 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 and the Graduate Dean.

Upon the completion of three hours of core courses, the student may register for the first thesis course, LA797, and begin research towards the thesis prospectus. The prospectus must be approved by the student's committee at the end of the LA797 semester 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 *Manual for the Preparation of Thesis, Dissertations, and Final Projects* is available here 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***
LA 701	3
LA 702	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	***9 hours***
LA 797	3
LA 798	3
LA 799	3
TOTAL	***30 hours***

MASTER OF SCIENCE IN BIOLOGICAL SCIENCES (MSBS)

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 professionals at regional and state bioscience-related industries and agencies, (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 ≤ 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: BCHM 610, BCHM 612, BCHM 722, BIOS 670, BIOS 686, and ENSC 705/MATH 710.

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 indicated 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 sections on the new GRE format or at least 1000 for the combined analytical and quantitative sections 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. To be eligible for the Health Sciences concentration, students should have completed Organic Chemistry I and II and Anatomy and Physiology I and II with grades of C or better.

MASTER OF SCIENCE IN BIOLOGICAL SCIENCES (Thesis Option) Cellular and Molecular Total Hours: 30		
Course Number	**Course Title**	**Credit**
Core Courses		**16**
BCHM 722	Experimental Methods	3
BIOS 670	Evolution	3
BIOS 735	Biology Seminar	1
BIOS 799	Thesis	6
ENSC 705 or MATH 710	Statistical Techniques or Statistics for Medical and Biological Applications	3
Concentration Elective Courses	*Coursework must be selected in consultation with the thesis committee*	**≥14**
BCHM 610	Biochemistry and Molecular Biology I	3
BCHM 610L	Biochemistry and Molecular Biology I Laboratory	2
BCHM 612	Biochemistry and Molecular Biology II	3
BCHM 612L	Biochemistry and Molecular Biology II Laboratory	2
BCHM 740	Plant Biochemistry	3
BIOS 620	Cell Biology	3
BIOS 620L	Cell Biology Laboratory	1
BIOS 621	Advanced Immunology	3
BIOS 630	Molecular Biology	3
BIOS 630L	Molecular Biology Laboratory	1
BIOS 634	Histology	3
BIOS 634L	Histology Lab	1
BIOS 660	Microbial Genetics	3
BIOS 663	Medical Genetics	3
BIOS 665	Applied Biotechnology	3
BIOS 675	Advanced Developmental Biology	3
BIOS 686	Clinical Anatomy	3
BIOS 687	Medical Physiology	3
BIOS 690	Special Topics in Biological Sciences	1-3
BIOS 720	History of Science	3
BIOS 745	Plant Molecular Biology	3
BIOS 760	Human Genetics for Teachers	3
BIOS 785	Selected Topics in Biology	3
BIOS 786	Independent Research	1-3
BIOS 787	Scientific Communication	3
BIOS 790	Special Topics in Biology	3
BIOS 795	Independent Study in Biology	3
CHEM 690	Independent Study	3
CHEM 790	Special Topics in Chemistry	3
CHEM 795	Independent Study in Chemistry	3

MASTER OF SCIENCE IN BIOLOGICAL SCIENCES (Thesis Option) Computational Biology Total Hours: 30		
Course Number	**Course Title**	**Credit**
Core Courses		**16**
BCHM 722	Experimental Methods	3
BIOS 670	Evolution	3
BIOS 735	Biology Seminar	3
BIOS 799	Thesis	6
ENSC 705 or MATH 710	Statistical Techniques or Statistics for Medical and Biological Applications	3
Concentration Elective Courses		**≥14**
BIOS 620	Cell Biology	3
BIOS 620L	Cell Biology Laboratory	1
BIOS 621	Advanced Immunology	3
BIOS 630	Molecular Biology	3
BIOS 630L	Molecular Biology Laboratory	1
BIOS 675	Advanced Developmental Biology	3
BIOS 690	Special Topics in Biological Sciences	1-3
BIOS 701	Introduction to Molecular Biology I	3
BIOS 703	Introduction to Molecular Biology II	3
BIOS 787	Scientific Communication	3
BIOS 790	Special Topics in Biology	3
CSC 662	Introduction to Bioinformatics	3
CSC 664	Information Visualization	3
CSC 668	Introduction to Data Mining	3
CSC 690	Selected Topics	3
CSC 695	Independent Study	3
CST 707	Data Modeling and Database Design	3
CST 711	Informatics	3

MASTER OF SCIENCE IN BIOLOGICAL SCIENCES (Thesis Option) Environmental Biology Total Hours: 30		
Course Number	**Course Title**	**Credit**
Core Courses		**16**
BCHM 722	Experimental Methods	3
BIOS 670	Evolution	3
BIOS 735	Biology Seminar	3
BIOS 799	Thesis	6
ENSC 705 or MATH 710	Statistical Techniques or Statistics for Medical and Biological Applications	3
Concentration Elective Courses		**≥14**
BCHM 740	Plant Biochemistry	3
BIOS 620	Cell Biology	3
BIOS 620L	Cell Biology Laboratory	1
BIOS 621	Advanced Immunology	3
BIOS 630	Molecular Biology	3
BIOS 630L	Molecular Biology Laboratory	1
BIOS 635	Ornithology	3
BIOS 635L	Ornithology Lab	1
BIOS 640	Principles of Ecology	3
BIOS 640L	Principles of Ecology Laboratory	1

BIOS 646	Aquatic Biology	3
BIOS 646L	Aquatic Biology Laboratory	1
BIOS 660	Microbial Genetics	3
BIOS 671	Biogeography	3
BIOS 675	Advanced Developmental Biology	3
BIOS 690	Special Topics in Biological Sciences	1-3
BIOS 740	Ecological Methodology	3
BIOS 745	Plant Molecular Biology	3
BIOS 750	Ecotoxicology	3
BIOS 753	Marine Science for Teachers	4
BIOS786	Independent Research	1-3
BIOS 787	Scientific Communication	3
BIOS 790	Special Topics in Biology	3
BIOS 795	Independent Study in Biology	3
CHEM 790	Special Topics in Chemistry	3
CHEM 795	Independent Study in Chemistry	3
ENSC 621	Environmental Analysis	3
ENSC 641	Environmental Compliance	3
ENSC 740	Environmental Law	3
ENSC 790	Special Topics in Environmental Science	3
GEOG 690	Seminar	3

MASTER OF SCIENCE IN BIOLOGICAL SCIENCES (Thesis Option) Field and Organismal Total Hours: 30		
Course Number	**Course Title**	**Credit**
Core Courses		**16**
BCHM 722	Experimental Methods	3
BIOS 670	Evolution	3
BIOS 735	Biology Seminar	3
BIOS 799	Thesis	6
ENSC 705 or MATH 710	Statistical Techniques or Statistics for Medical and Biological Applications	3
Concentration Elective Courses		**≥14**
BCHM 740	Plant Biochemistry	3
BIOS 620	Cell Biology	3
BIOS 620L	Cell Biology Laboratory	1
BIOS 621	Advanced Immunology	3
BIOS 630	Molecular Biology	3
BIOS 630L	Molecular Biology Laboratory	1
BIOS 635	Ornithology	3
BIOS 635L	Ornithology Lab	1
BIOS 640	Principles of Ecology	3
BIOS 640L	Principles of Ecology Laboratory	1
BIOS 646	Aquatic Biology	3
BIOS 646L	Aquatic Biology Laboratory	1
BIOS 660	Microbial Genetics	3
BIOS 665	Applied Biotechnology	3
BIOS 671	Biogeography	3
BIOS 675	Advanced Developmental Biology	3
BIOS 690	Special Topics in Biological Sciences	1-3
BIOS 745	Plant Molecular Biology	3
BIOS 750	Ecotoxicology	3
BIOS 753	Marine Science for Teachers	4

BIOS 786	Independent Research	1-3
BIOS 787	Scientific Communication	3
BIOS 790	Special Topics in Biology	3
BIOS 795	Independent Study in Biology	3
CHEM 790	Special Topics in Chemistry	3
CHEM 795	Independent Study in Chemistry	3
ENSC 621	Environmental Analysis	3
ENSC 641	Environmental Compliance	3
ENSC 741	Environmental Law	3
ENSC 790	Special Topics in Environmental Science	3
GEOG 690	Seminar	3

MASTER OF SCIENCE IN BIOLOGICAL SCIENCES (Non-Thesis Option) Health Sciences Total Hours: 30		
Course Number	**Course Title**	**Credit**
Core Courses		**10**
BCHM 722	Experimental Methods	3
BIOS 670	Evolution	3
BIOS 735	Biology Seminar	1
ENSC 705 or MATH 710	Statistical Techniques or Statistics for Medical and Biological Applications	3
Required Concentration Courses		**9**
BCHM 610	Biochemistry and Molecular Biology I	3
BCHM 612	Biochemistry and Molecular Biology II	3
BIOS 686	Clinical Anatomy	3
Concentration Elective Courses		**≥11**
BIOS 620	Cell Biology	3
BIOS 620L	Cell Biology Laboratory	1
BIOS 621	Advanced Immunology	3
BIOS 630	Molecular Biology	3
BIOS 630L	Molecular Biology Laboratory	1
BIOS 634	Histology	3
BIOS 634L	Histology Lab	1
BIOS 660	Microbial Genetics	3
BIOS 663	Medical Genetics	3
BIOS 675	Advanced Developmental Biology	3
BIOS 687	Medical Physiology	3
BIOS 690	Special Topics in Biological Sciences	3
BIOS 786	Independent Research	1-3
BIOS 787	Scientific Communication	3
BIOS 789	Health Sciences Capstone	3
BIOS 790	Special Topics in Biology	3
BIOS 795	Independent Study in Biology	3

MASTER OF SCIENCE IN COMPUTER SYSTEMS TECHNOLOGY (MSCST)

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 for more details.

Entrance Requirements

The MSCST assumes baccalaureate preparation has included courses in Calculus or Discrete Mathematics, and Statistics. A course in Programming in a high-level computing language (such as Java or C++) and a course in database are assumed. The entrance prerequisite courses may also be done after admission; such course credits are not counted towards the degree. The entrance prerequisite courses must be done before enrolling in 600/700-level courses. A student entering this program must schedule an interview with the MSCST Program Coordinator and must complete a separate program application form.

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 four areas of concentration described below. Courses, if taken at the undergraduate level, must be replaced with another 600/700-level or CSC/CST course.

Early Admission

An LSUS Computer Science of 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**
Biology
BIOS 701 – Introduction to Molecular Biology I BIOS 663 – Medical Genetics, BIOS 665 – Applied Biotechnology, or (BIOS 735 – Biology Seminar and BIOS 631L – Molecular Biology Laboratory)
Mathematics
MATH 710 – Statistics for Medical and Biological Applications
Computer Science: Seven courses (21 hours) from Computer Science
<u>Required (6 hours)</u> CST 707 – Data Modeling and Database Design CSC 662 – Introduction to Bioinformatics <u>Electives (15 hours)</u> Any CSC 600-level course Any CST 700-level course Recommended electives: CSC 664 – Information Visualization, CSC 668 – Introduction to Data Mining, CST 711 – Informatics, CST 725 – Digital Multimedia, and Either: CST 797 – Biomedical Informatics Project (3 hours) or CST 799 – Thesis (6 hours): May be co-supervised by a faculty member from the Department of Biological Sciences or from LSUHSC -S.

COMPUTER SYSTEMS TECHNOLOGY Business Administration Total Hours: 30
Business Administration: Choose four courses (12 hours) from the College of Business
ACCT 701 – Managerial Use of Accounting Data FIN 701 – Financial Management MADM 701 – Organizational Behavior MADM 710 – Strategic Management of Human Capital MADM 720 – Leadership Communication MKT 701 – Marketing Strategy
Computer Science: Choose six courses (18 hours) from Computer Science
Required (3 hours) CST 707 – Data Modeling and Database Design Electives (15 hours) Any CSC 600-level course Any CST 700-level course Recommended electives: CSC 625 – Database Implementation, CSC 635 – Programming with Internet Technologies, CSC 638 – Network and Computer Security, CSC 660 – Rapid Applications Development, CSC 664 – Information Visualization, CSC 668 – Introduction to Data Mining, CSC 680 – Software Engineering Concepts, CST 711 – Informatics, CST 725 – Digital Multimedia, CST 796 – Business Systems Project: May be co-supervised by a faculty member from the College of Business.

COMPUTER SYSTEMS TECHNOLOGY Computer Science Total Hours: 30
Computer Science: Ten courses (30 hours from Computer Science)
Required (9 hours) CST 707 – Data Modeling and Database Design CSC 680* – Software Engineering Concepts CSC 681* – Software Engineering Project Electives (21 hours) Any CSC 600-level course Any CST 700-level course Either CST 798 – Computer Science Project or CST 799 – 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.

**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
Required (12 hours) CSC 631 – Cyber Security Operations CSC 638 – Network and Computer Security CSC 640 – Ethical Hacking CSC 645 – Linux System Security Electives (18 hours) Any CSC 600-level course Any CST 700-level course

MASTER OF SCIENCE IN NONPROFIT ADMINISTRATION (MSNPA)

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. 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.

MASTER OF SCIENCE IN NONPROFIT ADMINISTRATION **Total Hours: 33**	
Basic Core Courses	***Hours***
SOCL 620	3
NPA 702	3
NPA 703	3
NPA 706	3
NPA 708	3
NPA 710	3
NPA 734	3
NPA 761	3
NPA 762	3
Nonprofit Administration Track	
NPA 780	3
NPA 798	3
Development Track	
NPA 763	3
NPA 764	3

College of Business

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.

Degree Requirements

1. 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.
2. Meet minimum 3.0 GPA requirement in both of the following:
    a. Graduate courses taken at LSUS
    b. Graduate courses fulfilling degree requirements, including the 7 core and 3 elective courses.
3. Completion of the MBA Program Assessment is required for graduation.

MASTER OF BUSINESS ADMINISTRATION **Total Hours: 30**		
Course Number	**Course Title**	**Credit**
Optional Foundation Courses		**Optional**
ACCT 500	Fundamentals of Accounting	1
ECON 500	Fundamentals of Economics	1
FIN 500	Fundamentals of Finance	1
ISDS 500	Fundamentals of Statistics	1
Core Courses		**21 Hours**
ACCT 701	Managerial Use of Accounting Data	3
ECON 705	Economic Analysis for Management	3
FIN 701	Financial Management	3
ISDS 705	Management Information Systems	3
MADM 701	Organizational Behavior	3
MADM 760	Organization Strategy and Policies	3
MKT 701	Marketing Strategy	3
Specialization/Concentration Courses		
General Business	Any three electives	**9 Hours**
Accounting		**9 Hours**
ACCT 705	Fraud Detection through Data Analytics	3
ACCT 710	International Accounting	3
ACCT 720	Taxation for Individuals and Businesses	3
ACCT 725	Intermediate Financial Accounting	3
Data Analytics		**9 Hours**
ISDS 702	Quantitative Methods in Business	3
ISDS 710	Data Analytics	3
FIN 740	Financial Analytics	3
Entrepreneurship and Family Enterprise		**9 Hours**
MADM 751*	Entrepreneurship, Innovation, and Creativity	3
MADM 752*	Small Business and Family Enterprise	3

MADM 715	Labor and Employment Law	3
MADM 740	International Experience	
Finance		**9 Hours**
FIN 710	Contemporary Investments	3
FIN 720	Contemporary Issues in Finance	3
FIN 730	Financial Markets and Institutions	3
FIN 740	Financial Analytics	3
Hospitality and Casino Management		**9 Hours**
MADM 725	Casino and Resort Management	3
MKT 705	Hospitality and Casino Marketing	3
ISDS 702	Quantitative Methods in Business	3
MKT 720	Hospitality Analytics	
Human Resource Management		**9 Hours**
MADM 710*	Strategic Management of Human Capital	3
MADM 715*	Labor and Employment Law	3
MADM 720	Leadership Communication	3
International Business		**9 Hours**
ACCT 710	International Accounting	3
MADM 730	International Business	3
MADM 740	International Experience	3
MKT 710	International Marketing	3
Marketing		**9 Hours**
ISDS 710	Data Analytics	3
MKT 705	Hospitality and Casino Marketing	3
MKT 710	International Marketing	3
Project Management		**9 Hours**
ISDS 715*	Project Management	3
ISDS 720	Process Improvement	3
ISDS 730	Lean Transformation	3
Total		**30 Hours**
Note: MBA students are required to take 21 hours of core courses and 9 elective hours. *Required courses for specialization and concentration; concentration requires a 3rd elective.		

General Recommendations

The student should be aware of the following procedures and rules in the College 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, and Graduate Council to extend the time limit.

Transfer and Transient Credits

Transfer credit is available for students who have taken classes prior to their course of study at LSUS. The following conditions apply for a previously earned course to fulfill MBA degree requirements: (1) A grade of B or higher, (2) earned from an AACSB-accredited institution, (3) equivalent in course content to an LSUS MBA course, (4) documented on an academic transcript as degree course credit, and (5) with the approval of the MBA Director. A course appearing on a degree audit does not constitute MBA Director approval. Students in the MBA program will not receive credit for more than six semester hours of graduate coursework, regardless of credits previously earned. 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. Once a course of study has begun at LSUS, students are ineligible to take a course at another university for transfer credit.

Transient credit refers to the transferring of a course taken at another university after a student has completed any coursework in their degree program at LSUS. Transient credit is rarely approved. To request consideration for transient credit, approval must be obtained from the MBA Program Director prior to enrolling in a course at another university. For any course to be considered for transient credit, it must: (1) meet all of the conditions for transfer credit above and (2) not be available at LSUS prior to scheduled graduation date.

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 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. Students who do not have a background in business or a related field are encouraged to take one or more of the optional foundation courses: ACCT 500, ECON 500, FIN 500, and/or ISDS 500. These optional one-hour credit courses are graded on a pass/fail basis and are designed to provide a fundamental understanding of accounting, economics, finance, and informatics/statistics. The four optional foundation courses do NOT count towards MHA degree completion. ***The MHA program is offered exclusively online.***

Admission Requirements

Admission is permitted 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 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.

Degree Requirements

1. Students who possess an undergraduate degree must complete a minimum of 30 graduate hours: 10 core courses. In addition to the 10 core courses, 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.
2. Meet minimum 3.0 GPA requirement in both of the following:
    a. Graduate courses taken at LSUS, and
    b. Graduate courses fulfilling degree requirements, including the 10 core courses.
3. Completion of the MBA Program Assessment is required for graduation.

MASTER OF HEALTH ADMINISTRATION Total Hours: 30		
Course Number	**Course Title**	**Credit**
HCAD 701	Healthcare Organizational Behavior	3 hours
HCAD 710	Healthcare Human Resource Management	3 hours
HCAD 730	Healthcare Systems	3 hours
HCAD 731	Healthcare Law and Ethics	3 hours
HCAD 740	Healthcare Marketing	3 hours
HCAD 750	Healthcare Informatics	3 hours
HCAD 760	Healthcare Finance	3 hours
HCAD 770	Healthcare Economics	3 hours
HCAD 780	Healthcare Policy	3 hours
HCAD 790	Healthcare Strategic Management	3 hours

Optional foundation courses (ACCT 500, ECON 500, FIN 500, ISDS 500) are one-credit hour courses that are not included in the MHA degree.

College of 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 interdisciplinary doctoral degree designed for working adults interested in earning a practitioner's terminal degree. The concentrations in Military Leadership, Law Enforcement Leadership, and Leadership Studies allow graduate students to gain expertise in leadership as it relates to their specific career interests. This program is focused on leadership theory and practice and is open to persons with master's degrees in all disciplines. The emphasis of the program is on the needs of practitioner-scholars, rather than research-scholars.

Admission Procedures

Applicants must complete and submit all required materials by the deadline posted on the EdD website in order to be considered for Fall admission. The EdD program is a selective admissions program and, as such, not all applicants who apply will be admitted.

The following items should be sent directly to the LSUS Office of Graduate Admissions:

*The LSUS Graduate Studies Application for Graduate Admission, complying with all applicable guidelines and standards.

*Master's degree from regionally-accredited college or university with a minimum cumulative graduate GPA of 3.50/4.00. Applicants with a cumulative graduate GPA between 3.00 and 3.49 may be considered for admission following the formal review process and an admission decision by the Chair of the Department of Leadership Studies.

*All official transcripts from institutions where coursework has been attempted.

The following items should be sent directly to the Director of the EdD program:

*Résumé/CV

*Professional recommendation letters from three sources

*Purpose statement from the applicant, including:

*How the degree fits within the applicant's professional and personal goals

*The applicant's professional experience and how the applicant believes this will contribute to the program

*The coursework, professional experience, or other professional development that has prepared the applicant for conducting doctoral level research

*The applicant's area of research where there is a strong interest (military, law enforcement, or leadership concentration) and to explain the potential study that the applicant may want to develop

Applicants who are selected to continue to the next round of review will be contacted for an interview via Online Video Service (Zoom, Skype, Adobe Connect, etc.). Final notification of admission status will be provided upon the completion of reviews and selection of applicants.

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.

Grade Policy

A cumulative LSUS GPA of 3.0 or higher is required for graduation from the Doctor of Education in Leadership Studies program. Candidates are expected to maintain at least a 3.0 cumulative LSUS GPA throughout the program. Due to the accelerated nature of the program, candidates are limited to two courses in which a "W" or withdrawal can be assigned before the candidate is removed from the Doctoral Program. A grade of "F" in any course will result in the candidate's removal from the Doctoral Program.

Catalog

If a student withdraws from the program for more than two sessions, he/she must re-apply to the Doctoral program and be admitted by the Ed.D. Program Director prior to continuing under the catalog in effect at the time of the re-application. Those students who are denied readmission by the Ed.D. Program Director may submit a new application for consideration during the next admission cycle.

Students admitted in or prior to the 2018-2019 academic year may not elect to move to any catalog inclusive of or following the 2019-2020 catalog without applying for consideration for admission by the Ed.D. Program Director.

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:

1. Common Leadership Core Courses

2. Concentration Core Courses

3. Research Core Courses

4. Comprehensive Exams

Students must successfully pass the written comprehensive exam in order to move forward with the dissertation of research group prospectus and then on to registering for research/dissertation hours. The comprehensive exam may be scheduled following the completion of the Common Leadership Core. Those students who fail the comprehensive exam may be given a second opportunity to take the comprehensive exam. Students who fail a second attempt of the comprehensive exam will be dismissed from the EdD program.

5. Leadership-Relevant Dissertation of Group Research Project

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.

DOCTOR OF EDUCATION IN LEADERSHIP STUDIES Total Hours: 63		
Course Number	**Course Title**	**Credit**
Common Leadership Core		**36 Hours**
LDSH 804	Seminar in Leadership Theory and Practice I	3
LDSH 801	Seminar in Leadership Theory and Practice II	3
LDSH 838	Seminar in Leadership Theory and Practice III	3
LDSH 836	Seminar in Leadership Theory and Practice IV	3
LDSH 817	Ethics, Values, and Principled Leadership	3
LDSH 823	Social and Group Dynamics	3
LDSH 827	Coaching and Mentoring for Leaders	3
LDSH 829	Culture, Climate, and Change Leadership	3
LDSH 841	Leadership in Complex Organizations	3
LDSH 872	Power, Politics, and Influence in Organizations	3
LDSH 837	Adult Learning and Development	3

LDSH 871	Followership	3
Concentration Core		**12 Hours**
Leadership Studies		
LDSH 825	Dark Side of Leadership	3
LDSH 826	Gender Issues in Leadership	3
LDSH 831	Policy Analysis and Development	3
LDSH 854	Human Resource Development	3
Military Leadership		
LDSH 802	Strategy and Contemporary Military Leadership Issues	3
LDSH 803	Evolution of Military Leadership	3
LDSH 807	Diplomatic Leadership	3
LDSH 813	Strategy and Deterrence Leadership	3
Law Enforcement Leadership		
LDSH 811	Law Enforcement Leadership: Leadership and Situational Awareness	3
LDSH 818	Peace, Civil Unrest, and Social Conflict	3
LDSH 819	Ethics, Leadership, and Law Enforcement in Modern Society	3
LDSH 821	Conflict Studies: Societal Implications	3
Research Core		**15 Hours**
LDSH 881	Strategic Consulting and Project Orientation	3
LDSH 896	Research Capstone	3
LDSH 898 or LDSH 899	Project Hours or Dissertation Hours	9 or 9

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. This degree does not lead to any additional certification if graduate does not already possess a teaching certificate.

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:

- Graduate degree from a regionally accredited university, OR
- Bachelor's degree from a regionally accredited university with a minimum 2.5 overall GPA or minimum 2.75 GPA in last 60 semester hours of courses;
- Satisfaction of all University admissions requirements.

Program/Course Requirements

The MEDCI degree program of 30 hours is composed of at least 12 hours in educational foundation courses and 15 hours in a selected specialty area.

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. 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 coordinator. Program changes are not official until approved by the Program Coordinator.

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 Education and Human Development, and the Graduate Council to extend the time limit.

Transfer and Transient Credit

Up to 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. A student may apply up to 12 graduate credit hours taken at LSUS with grades of B or higher with the approval of the Program Director. No more than 50% of the program of study may be transferred or applied from previous coursework or degrees.

MASTER OF EDUCATION CURRICULUM AND INSTRUCTION Total Hours: 30 Education STEM		
I. Foundation Courses		**12 Hours**
ED 720	Curriculum	3
ED 780	Educational Technology Applied to the Classrooms	3
EDL 700	Creating a Professional Learning Community	3
EDL 740	Introduction to Graduate Research	3
II. Concentration/Specialty Area		**18 Hours**
EDL 707	Utilizing Data for School Improvement	3
EDST 601	Foundations in STEM Education	3
EDST 602	STEM Content Methods	3
EDST 603	Grant Writing for STEM Programs	3
EDST 604	STEM Exploration	3
	Elective	3
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.		

MASTER OF EDUCATION CURRICULUM AND INSTRUCTION Total Hours: 30 Educational Technology Leader		
I. Foundation Courses		**12 Hours**
ED 681	Design and Development of Multimedia Instructional Units	3
ED 720	Curriculum	3
EDL 700	Creating a Professional Learning Community	3
EDL 740	Introduction to Graduate Research	3
II. Concentration/Specialty Area		**18 Hours**
ED 684	Education Telecommunications, Networks, and Internet	3
ED 785	Technology Leadership in Schools	3
ED 786	Technology Planning and Administration	3

ED 787	Professional Development for K-12 Technology Integration	3
ED 788	Advanced Telecommunications and Distance Education	3
ED 789	Educational Technology Research, Evaluation, and Assessment	3
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.		

MASTER OF EDUCATION CURRICULUM AND INSTRUCTION Total Hours: 30 English as a Second Language		
I. Foundation Courses		**12 Hours**
ED 720	Curriculum	3
ED 780	Educational Technology Applied to the Classrooms	3
EDL 700	Creating a Professional Learning Community	3
EDL 740	Introduction to Graduate Research	3
II. Concentration/Specialty Area		**18 Hours**
ED 734	Creating Multicultural Connections through Literature	3
EDL 707	Utilizing Data for School Improvement	3
ESL 601	Introduction to Language and Culture	3
ESL 602	Linguistics for the ESL Educator	3
ESL 603	Methods for Teaching English as a Second Language	3
ESL 604	Curriculum and the Multicultural Classroom	3
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.		

MASTER OF EDUCATION CURRICULUM AND INSTRUCTION Total Hours: 30 General		
I. Foundation Courses		**12 Hours**
ED 720	Curriculum	3
ED 780	Educational Technology Applied to the Classrooms	3
EDL 700	Creating a Professional Learning Community	3
EDL 740	Introduction to Graduate Research	3
II. Concentration/Specialty Area		**18 Hours**
ED 734*	Creating Multicultural Connections through Literature	3
EDL 707*	Utilizing Date for School Improvement	3
ED 740	Foundations in Reading	3
ED 744	Reading in the Content Areas	3
ESL 601	Introduction to Language and Culture	3
ESL 602	Linguistics for the ESL Educator	3
ESL 603	Methods for Teaching English as a Second Language	3
ESL 604	Curriculum and the Multicultural Classroom	3
****Required courses*** ***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.***		

MASTER OF EDUCATION CURRICULUM AND INSTRUCTION Total Hours: 30 Literacy and Reading		
I. Foundation Courses		**12 Hours**
ED 720	Curriculum	3
ED 780	Educational Technology Applied to the Classrooms	3
EDL 700	Creating a Professional Learning Community	3
EDL 740	Introduction to Graduate Research	3
II. Concentration/Specialty Area		**18 Hours**
ED 734	Creating Multicultural Connections through Literature	3
ED 740	Foundations in Reading	3
ED 741	Reading Assessment	3
ED 743	Practicum in Reading	3
ED 744	Reading in the Content Area	3
EDL 707	Utilizing Data for School Improvement	3
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.		

MASTER OF EDUCATION CURRICULUM AND INSTRUCTION Total Hours: 30 Urban Teaching and Leadership		
I. Foundation Courses		**15 Hours**
ED 720	Curriculum	3
ED 734	Creating Multicultural Connections through Literature	3
ED 780 or ED 785	Educational Technology Applied to the Classroom Technology Leadership in Schools	3
EDL 700	Creating a Professional Learning Community	3
EDL 740	Introduction to Graduate Research	3
II. Concentration/Specialty Area		**15 Hours**
ED 750	Urban Education	3
ED 751	Urban Schools and the Community	3
ED 752	Culturally Responsive Classroom Organization and Management	3
ED 753	Urban School Reform	3
ESL 601	Introduction to Language and Culture	3
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.		

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. This degree does not lead to any additional certification if graduate does not already possess a teaching certificate.

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 the Teacher Leader Concentration 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:

- Graduate degree from a regionally accredited university, OR
- Bachelor's degree from a regionally accredited university, with a minimum 2.5 overall GPA or minimum 2.75 GPA in last 60 semester hours of courses;
- Satisfaction of all University admissions requirements.

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 Education and Human Development, and the Graduate Council to extend the time limit.

Transfer and Transient Credit

Up to 6 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. 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. A student may apply up to 12 graduate credit hours taken at LSUS with grades of B or higher with the approval of the Program Director. No more than 50% of the program of study may be transferred or applied from previous coursework or degrees.

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.

MASTER OF EDUCATION IN EDUCATIONAL LEADERSHIP Total Hours: 34		
Course Number	**Course Title**	**Course Credit**
ED 785	Technology Leadership in Schools	3 cr.
EDL 700	Creating a Professional Learning Community	3 cr.
EDL 701	Leading with Vision	3 cr.
EDL 702	Legal and Ethical Issues in Education	3 cr.
EDL 707	Utilizing Data for School Improvement	3 cr.
EDL 710	Leading Instruction and Assessment	3 cr.
EDL 711	Funding Public Education	3 cr.
EDL 712	Facilitating Human Resource Development and Empowerment	3 cr.
EDL 713	Mobilizing the Community	3 cr.
EDL 716	Internship in Educational Leadership	4 cr.
EDL 740	Foundation of Educational Research	3 cr.

MASTER OF EDUCATION IN EDUCATIONAL LEADERSHIP Teacher Leader Total Hours: 34		
I. Foundation Courses		**12 Hours**
ED 785	Technology Leadership in Schools	3
EDL 700	Creating a Professional Learning Community	3
EDL 701	Leading with Vision	3
EDL 740	Introduction to Graduate Research	3
II. Concentration/Specialty Area		**22 Hours**
ED 720	Curriculum	3
ED 731	Educational Supervisory Practice	3
EDL 702	Legal and Ethical Issues in Education	3
EDL 707	Utilizing Data for School Improvement	3
EDL 710	Leading Instruction and Assessment	3
EDL 712	Facilitating Human Resource Development and Empowerment	3
EDL 713	Mobilizing the Community	3
EDL 716	Internship	1

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. The curriculum includes courses specifically designed to incorporate 15 foundational public health knowledge areas and 27 foundational competencies identified by the Council of Education for Public Health (CEPH) as essential to the MPH educational process. All students are required to take the foundational and required courses, 30 credit hours. The last phase of the program consists of an Applied Practice Experience (internship – 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 an MPH Integrated Learning Experience (capstone – 3 credit hours) or Master's Thesis (6 credit hours). Students who choose the MPH Integrated Learning Experience will complete an additional six credits of electives. Students who choose to complete a thesis may waive one elective. In both the Applied Practice Experience and culminating experiences, students are under the supervision and guidance of faculty and field-based practitioners.

Admission Requirements

To be considered for regular admission to the MPH degree program, all applicants must submit an online application for admission that can be found at http://www.lsus.edu/admissions-and-financial-aid/graduate-admissions. US Citizens and International applicants must submit all LSUS Graduate Studies required admission documents to the Office of Admissions and Records. Students who meet the admission criteria for LSUS Graduate

Studies must also meet the following program-specific criteria to be considered for admission into the MPH degree program:

- Bachelor's degree from a regionally-accredited university, with minimum 3.0 overall GPA or minimum 3.0 GPA in the last 60 semester hours;
- Three electronic recommendations submitted to the MPH Program Director;
- Completion of an asynchronous interview.

Upon receipt of these requirements, the MPH Admission Committee will make admission decisions based on all materials submitted to the University and the MPH Program. No GRE score is required for this program. A link to the asynchronous interview can be found on the MPH Webpage: http://www.lsus.edu/academics/graduate-studies/graduate-programs/master-of-public-health.

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**
PUBH 701	Introduction to Public Health and Health Disparities	3
PUBH 703	Public Health Leadership and Ethics	3
PUBH 704	Human Disease and Health Promotion for Public Health Professionals	3
PUBH 707*	Program Planning	3
PUBH 708	Principles of Epidemiology	3
PUBH 709*	Principles of Biostatistics	3
PUBH 710	Environmental Health	3
PUBH 712	Social and Behavioral Sciences in Public Health	3
PUBH 713	Health Services Administration, Health Management, and Policy	3
PUBH 721*	Research Methods	3
PUBH 780 or PUBH 782	Applied Practice Experience (APE)	3 or 1 x 3
II. Culminating Experience: Select ILE or Thesis		
PUBH 781 or PUBH 783	Integrated Learning Experience (ILE)	3 or 1 x 3
PUBH 798	Thesis I	3
PUBH 799	Thesis II	3
III. Electives: Select 2 if completing ILE or select 1 for Thesis		
PUBH 702	Public Health Law and Ethics	3
PUBH 705	Principles of Health Promotion and Intervention	3
PUBH 706	Public Health Nutrition	3
PUBH 714	Empowerment through Community Health Sciences	3
PUBH 717	Public Health Strategic Planning	3
PUBH 718	Global Health	3
PUBH 719	Health and Diseases across Ages	3
PUBH 720	Geographic Information Systems (GIS) in Public Health	3
PUBH 724	Understanding Poverty – A Public Health Perspective	3

**Sequential class order: PUBH 709 > PUBH 721 > PUBH 707*

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 completed 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) MSC Program Application Form, and (3) 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.

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
*Social and Cultural Foundations
*Helping Relationships
*Group Work
*Career and Lifestyle Development
*Appraisal
*Research and Program Evaluation
*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					
Fall Semester	*Sem. Hrs.*	*Spring Semester*	*Sem. Hrs.*	*Summer Semester*	*Sem. Hrs.*
COUN 701	3	COUN 721	3	COUN 732	3
COUN 720	3	COUN 723	3	COUN 733	3
COUN 728	3	PSYC 705	3		6
PSYC 716	3	PSYC 718	3		
	12		12		
SECOND YEAR					
Fall Semester	*Sem. Hrs.*	*Spring Semester*	*Sem. Hrs.*	*Summer Semester*	*Sem. Hrs.*
COUN 722	3	COUN 786	3	COUN 724	3
COUN 783	3	PSYC 740	3	COUN 787	3
PSYC 709	3	PSYC 780	3		6
PSYC 747	3	Elective	3		
	12		12		

**Approved electives: Any 600- or 700-level COUN or PSYC course except PSYC 799; if pursuing the concentration in Rehabilitation Counseling, may choose from COUN 740, COUN 741, COUN 742, or COUN 743.*

NOTE: This table is an example schedule.

The optional **Concentration in Rehabilitation Counseling** consists of 12 credit hours with the objective of training professional counselors to specialize in the provision of counseling services to individuals with various disabilities. This curriculum is specifically designed to prepare nationally-certified rehabilitation counselors and licensed rehabilitation counselors in the state of Louisiana. If pursuing Rehabilitation Counseling, these courses (12 total hours) should be taken in addition to the Master of Science in Counseling curriculum:
COUN 740: Professional Orientation and Ethics in Rehabilitation Counseling
COUN 741: Rehabilitation Case Management
COUN 742: Employment Development and Vocational Placement
COUN 743: Medical and Psychosocial Aspects of Disability

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. Also, 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. Students become eligible for the examination when they have completed all foundation coursework. Prior to or during internship students are required to take the Praxis School Psychologist Examination. Students must pass the Praxis exam prior to earning the SSP degree. Additionally, a passing score on the Praxis exam qualifies students to apply for national certification by NASP.

SPECIALIST IN SCHOOL PSYCHOLOGY **Total Hours: 72**					
FIRST YEAR					
Fall Semester	*Sem. Hrs.*	*Spring Semester*	*Sem. Hrs.*	*Summer Semester*	*Sem. Hrs.*
PSYC 710	3	PSYC 609	3	COUN 723 or PSYC 723	3
PSYC 716	3	PSYC 711	3	PSYC 752	3
PSYC 749	3	PSYC 718	3		6
PSYC 755	3	PSYC 751	3		
	12		12		
SECOND YEAR					
Fall Semester	*Sem. Hrs.*	*Spring Semester*	*Sem. Hrs.*	*Summer Semester*	*Sem. Hrs.*
COUN 732 or PSYC 732	3	PSYC 719	3	PSYC Elective	3
PSYC 706	3	PSYC 745	3	PSYC 748	3
PSYC 753	3	PSYC 754	3		6
PSYC 760	3	PSYC 780	3		
	12		12		
THIRD YEAR					
Fall Semester	*Sem. Hrs.*	*Spring Semester*	*Sem. Hrs.*	*Summer Semester*	*Sem. Hrs.*
PSYC 788	6	PSYC 789	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 College 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)

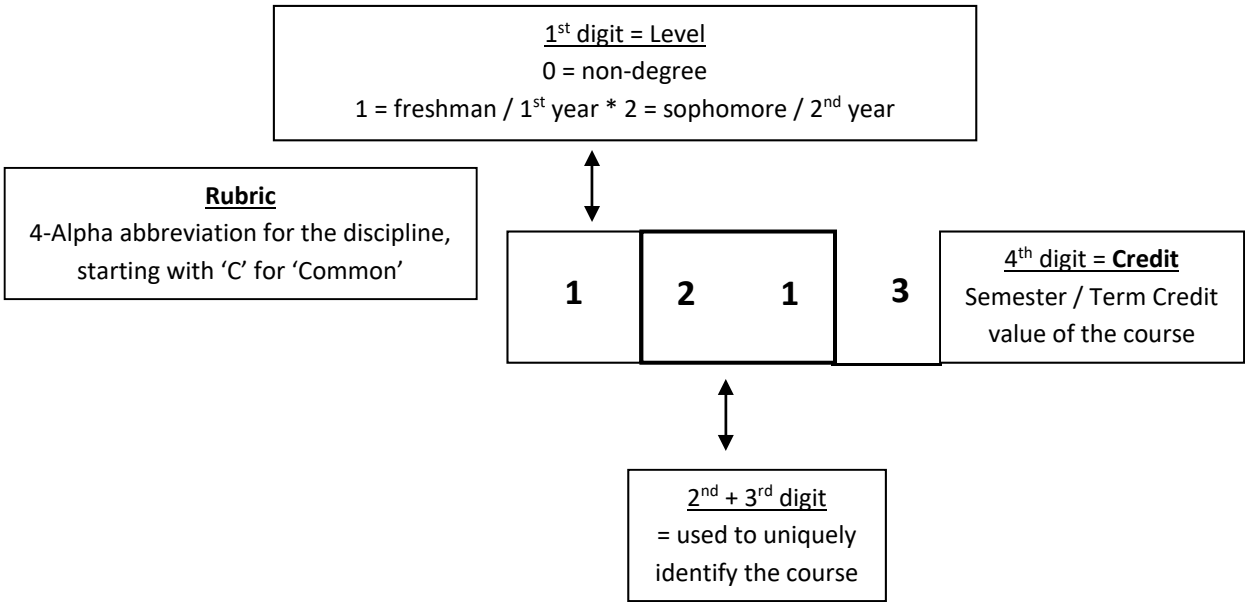
History

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:

ENGL 105: 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: CENL 1013 / 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 being 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.

ACCOUNTING

ACCT 205: 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.

ACCT 206: Introductory Managerial Accounting **3 cr.**

Prerequisite: ACCT 205. 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.

ACCT 285: 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.

ACCT 309: Intermediate Accounting I **3 cr.**

Prerequisites: ACCT 205 and ACCT 206 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.

ACCT 310: Intermediate Accounting II **3 cr.**

Prerequisite: ACCT 309 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.

ACCT 311: Intermediate Accounting III **3 cr.**

Prerequisite: ACCT 309 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.

ACCT 320: Introduction to Federal Income Tax **3 cr.**

Prerequisite: ACCT 206 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.

ACCT 330: Cost Accounting **3 cr.**

Prerequisite: ACCT 206 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.

ACCT 340: Oil and Gas Accounting **3 cr.**

Prerequisite: ACCT 206. An introduction to the current accounting practices associated with the oil and gas industry. Three hours of lecture.

ACCT 360: Accounting Information Systems **3 cr.**

Prerequisite: ACCT 309 with a grade of C or better. A course focusing on the use of technology for accounting. Analysis and design of standard accounting systems; emphasis on computerized systems and internal control issues.

ACCT 410: Advanced Financial Accounting I **3 cr.**

Prerequisites: ACCT 310 and ACCT 311 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.

ACCT 420: Tax Problems and Research **3 cr.**

Prerequisite: ACCT 320 or consent of the department. This course includes research on tax questions of individuals, corporations, and partnerships. Three hours of lecture.

ACCT 440: Auditing Theory **3 cr.**

Prerequisite: ACCT 310 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.

ACCT 450: Fraud Examination **3 cr.**

Prerequisite: ACCT 205. An in-depth examination of the principles and practices for investigating and uncovering allegations of fraud and financial misconduct. Three hours of lecture.

ACCT 460: Governmental and Non-Profit Organization Accounting **3 cr.**

Prerequisite: ACCT 309 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.

ACCT 470: Accounting Theory **3 cr.**

Prerequisites: ACCT 310 and ACCT 311. An examination of current accounting topics in income measurement and statement presentation. Three hours of lecture.

ACCT 475: 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.

ACCT 490: 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.

ACCT 495: Independent Studies in Accounting **3 cr.**

Prerequisite: ACCT 309 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.

ACCT 500: Fundamentals of Accounting **1 cr.**

An introduction to the foundations of accounting. Grading will be on a pass/fail basis.

ACCT 620: Tax Problems and Research **3 cr.**

Prerequisite: ACCT 320 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.

ACCT 650: Fraud Examination **3 cr.**

Prerequisite: BADM 700 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.

ACCT 660: Governmental and Non-Profit Organization Accounting **3 cr.**

Prerequisite: ACCT 309 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.

ACCT 701: Managerial Use of Accounting Data **3 cr.**

An introduction to the sources and uses of accounting information used in the management decision-making process.

ACCT 705: Fraud Detection through Data Analytics **3 cr.**

A study of the principles of analytic tools for investigating and uncovering fraud and financial misconduct. The course covers data extraction and cleansing, as well as reactive and proactive analytical techniques to identify trends, patters, and anomalies in financial statements.

ACCT 710: International Accounting **3 cr.**

A study of accounting issues unique to international business activities and their reporting under International Financial Reporting Standards (IFRS) and U.S. Generally Accepted Accounting Principles (U.S. GAAP). The course surveys common international accounting issues impacting multinational organizations, such as currency translation, cross-border taxation, and international auditing. Includes coverage of the major reporting differences between IFRS and U.S. GAAP.

ACCT 720: Taxation for Individuals and Businesses **3 cr.**

A broad exposure to the most common income tax principles impacting personal and business decisions. Coverage focuses on individuals, corporations, and partnerships.

ACCT 725: Intermediate Financial Accounting **3 cr.**

In-depth study of financial accounting theory and practice, with emphasis on the preparation of financial statements in accordance with Generally Accepted Accounting Principles and related measurements, reporting, and expense/revenue recognition.

ADULT EDUCATION

EDA 400: Foundations of Adult Education **3 cr.**

An introduction to the major areas of theory, research, and practice in the field of adult education. Includes history and contemporary practices in history, philosophy, politics and policy in adult education.

EDA 401: Adult Development and Learning **3 cr.**

The course focus is on adult development and learning principles. Adult learning styles and motivation to learn are discussed in the context of designing effective instructional strategies appropriate in various workforce education venues. Three hours of lecture.

EDA 402: Introduction to Test and Measurements: Applications **1 cr.**

Study of the typical methods of standardized assessment. Emphasis is placed on the interpretation and communication of the results of standardized assessment instruments. Elementary statistical terms and methods are studied. As an introductory course in tests and measurement, it does not prepare students to administer or interpret psychological tests. Three hours of lecture.

EDA 403: Guidance/Counseling in Adult Education **3 cr.**

An overview of counseling in adult education. Topics include subject matter of counseling, self-care, personal/technical tools needed for career success, and current career issues and controversies. Application of career development theory.

EDA 404: Career Counseling and Development **3 cr.**

Career development theories and the career decision making process. Special emphasis is placed on strategies used by education counselors to assist their clients in making career and educational decisions. Students learn how to encourage motivation by connecting personal values and interests with academics. Topics may include multicultural considerations, the relationship between one's career development and other life roles, assessment instruments relevant to career planning, and the process of career development.

EDA 405: Teaching Adult Learners **3 cr.**

Practical course in how adult literacy develops and what strategies work most effectively when teaching adults. Topics include how adults learn from text, learning styles and their effects on comprehension, readability, and strategies to enhance learning.

EDA 406: Social and Cultural Issues in Education Counseling **3 cr.**

This course is designed to familiarize education counseling professionals with the environmental, personal, socioeconomic, and psychological characteristics of culturally different groups and to help them understand the unique counseling concerns related to varying racial and cultural groups. Three hours of lecture.

EDA 407: Practicum in Education Counseling **1 cr.**

Prerequisite: Consent of the department. One hundred (100) clock hours of supervised instruction and/or administration in an adult educational setting and includes orientation to the roles, responsibilities, and functions of professionals in educational counseling. Three hours clinical.

EDA 601: Adult Development and Learning **3 cr.**

The course focus is on adult development and learning principles. Adult learning styles and motivation to learn are discussed in the context of designing effective instructional strategies appropriate in various workforce education venues. 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.

EDA 602: Introduction to Test and Measurements: Applications **1 cr.**

Study of the typical methods of standardized assessment. Emphasis is placed on the interpretation and communication of the results of standardized assessment instruments. Elementary statistical terms and methods are studied. As an introductory course in tests and measurement, it does not prepare students to administer or interpret psychological tests. 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.

EDA 606: Social and Cultural Issues in Education Counseling **3 cr.**

This course is designed to familiarize education counseling professionals with the environmental, personal, socioeconomic, and psychological characteristics of culturally different groups and to help them understand the unique counseling concerns related to varying racial and cultural groups. 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.

EDA 607: Practicum in Education Counseling **1 cr.**

Prerequisite: Consent of the department. One hundred (100) clock hours of supervised instruction and/or administration in an adult educational setting and includes orientation to the roles, responsibilities, and functions of professionals in educational counseling. 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 clinical.

AGRICULTURE

AGRI 101: Introduction to Agriculture **1 cr.**

A survey course covering all fields of agriculture with emphasis on opportunities and educational requirements. One hour of lecture.

AGRI 110: 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.

AGRI 112: 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.

AGRI 114: Livestock Judging **1 cr.**

The theory and practice of judging livestock. May be repeated for a maximum of three credits. Three hours of lab.

AGRI 121: Farm Crops **2 cr.**

Prerequisite: Credit or registration in AGRI 121L. Fundamental principles of crop production. Two hours of lecture.

AGRI 121L: Farm Crops Laboratory **1 cr.**

Prerequisite: Credit or registration in AGRI 121. Supplementary to AGRI 121 by means of student field and laboratory observations and experimentations with seed and plants. Two hours of lab.

AGRI 148: Elements of Dairying **3 cr.**

Fundamentals of dairy production and manufacturing. Three hours of lecture.

AGRI 150: General Horticulture **3 cr.**

The propagation and management of flowers, fruits, and vegetables. Three hours of lecture.

AGRI 151: Horticultural Practices **3 cr.**

Prerequisite: Credit in AGRI 150 (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.

AGRI 251: Soils **3 cr.**

Prerequisites: CHEM 112 and credit or registration in AGRI 251L. Fundamental principles of soil science and the properties of soils as related to plant growth. Three hours of lecture.

AGRI 251L: Soils Laboratory **1 cr.**

Prerequisite: Credit or registration in AGRI 251. Supplementary to AGRI 251 by means of analysis of soils and study of land descriptions. Two hours of lab.

AGRI 271: Breeds of Farm Animals **2 cr.**

Prerequisite: Credit or registration in AGRI 271L. 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.

AGRI 271L: Breeds of Farm Animals Laboratory **1 cr.**

Prerequisite: Credit or registration in AGRI 271. Supplementary to AGRI 271 by means of field and laboratory study of farm animals. Two hours of lab.

AGRI 278: 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.

AGRI 278L: Feeds and Feeding Laboratory **1 cr.**

Prerequisite: Credit or registration in AGRI 278. Computation of balanced rations for farm animals. Two hours of lab.

AMERICAN STUDIES

AMST 198: 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.

AMST 298: 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 AMST 198, except that additional requirements will be appropriate to the level of the course.

AMST 398: 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 AMST 298, except that additional requirements will be appropriate to the level of the course. Three hours of seminar.

ANTHROPOLOGY

ANTH 629: 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

ASTR 105: 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: CAST 1103/Astronomy/The Solar System]

ASTR 105L: Astronomy Laboratory **1 cr.**

A laboratory course to accompany ASTR 105. 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.

ASTR 106: Stellar Astronomy* **3 cr.**

Prerequisite: ASTR 105. A survey course treating the fundamental principles of stellar astronomy. Three hours of lecture. [LCCN: CAST 1113/Astronomy/Stars & Galaxies]

ASTR 106L: Astronomy Laboratory **1 cr.**

A laboratory course to accompany ASTR 106. Visual observations of stars and nebulae are made with a reflecting telescope. In addition, practical problems in stellar astronomy are studied. Two hours laboratory.

ASTR 205: Introduction to Radio Astronomy **3 cr.**

Prerequisite: ASTR 105, PHYS 252, or PHYS 262. An introduction to the radio universe and the tools and techniques used to explore it. Three hours of lecture/lab.

ASTR 305: 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

BCHM 210: Vistas in Biochemistry **1 cr.**

Prerequisite: CHEM 124. An elementary introduction to Biochemistry. Topics include biomolecular structure, intermediary metabolism, and molecular genetics. One hour of lecture.

BCHM 410: Biochemistry I **3 cr.**

Prerequisite: CHEM 266. 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: CBIO 3403/Biochemistry I (Upper Level)]

BCHM 410L: Biochemistry I Laboratory **1 cr.**

Prerequisite: Credit for or registration in BCHM 410. 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: CBIO 3401/Biochemistry I Lab (Upper Level)]

BCHM 412: Biochemistry II **3 cr.**

Prerequisite: BCHM 410. 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: CBIO 4413/Biochemistry II (Upper Level)]

BCHM 412L: Biochemistry II Laboratory **1 cr.**

Prerequisites: BCHM 410L and registration in BCHM 412. 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: CBIO 4411/Biochemistry II Lab (Upper Level)]

BCHM 430: Biophysical Chemistry **3 cr.**

Prerequisites: CHEM 266, PHYS 252 or PHYS 262, BIOS 120, and MATH 221. An introduction to chemical thermodynamics and kinetics, binding phenomena and spectroscopy with emphasis on applications in biology. Three hours of lecture.

BCHM 460: Clinical Biochemistry **3 cr.**

Prerequisites: BCHM 410 with a grade of C or better and credit or concurrent enrollment in BCHM 412, 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.

BCHM 490: 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.

BCHM 495: 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.

BCHM 610: 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 cellar 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.

BCHM 610L: 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.

BCHM 612: 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.

BCHM 612L: 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.

BCHM 630: 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.

BCHM 722: 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.

BCHM 740: 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 corequisite course is dropped. Credits in BIOS 110, BIOS 110L, BIOS 120, BIOS 120L, and BIOS 210 are prerequisites for all courses in Biological Sciences numbered 300 and above unless otherwise stated.

BIOS 101: General Biology* **3 cr.**

Introduction to general biological principles for the non-science student. Three hours lecture. [LCCN: CBIO 1013/General Biology I]

BIOS 101L: General Biology Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 101. Supplementary to BIOS 101 by means of student observations, experimentations, and analyses. Three hours of lab. [LCCN: CBIO 1011/General Biology I Lab]

BIOS 104: Marine Environment* **3 cr.**

Prerequisite: BIOS 101 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: CBIO 1023/General Biology II]

BIOS 105: Plants and Society* **3 cr.**

Prerequisite: BIOS 101, BIOS 120, 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: CBIO 1023/General Biology II]

BIOS 106: Human Heredity and Society* **3 cr.**

Prerequisite: BIOS 101, BIOS 120, 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: CBIO 1023/General Biology II]

BIOS 107: Humans and Their Environment* **3 cr.**

Prerequisite: BIOS 101, BIOS 120, 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 BIOS 107 cannot receive credit for ENSC 101. [LCCN: CBIO 1023/General Biology II]

BIOS 108: Sociobiology* **3 cr.**

Prerequisite: BIOS 101, BIOS 120, 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: CBIO 1023/General Biology II]

BIOS 109: Animal Diversity* **3 cr.**

Prerequisite: BIOS 101, BIOS 120, 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: CBIO 1023/General Biology II]

BIOS 110: 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: CBIO 1043/General Biology I (Science Majors)]

BIOS 110L: Biology Principles I Laboratory **1 cr.**

Laboratory supplement to BIOS 110 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: CBIO 1041/General Biology I Lab (Science Majors)]

BIOS 120: Biology Principles II* **3 cr.**

Prerequisites: BIOS 110 and MATH 121, 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: CBIO 1033/General Biology II (Science Majors)]

BIOS 120L: Biological Principles II Laboratory **1 cr.**

Prerequisite: Credit or registration in BIOS 120. Laboratory supplement to BIOS 120 involving utilization of the scientific method to investigate the principles of biochemistry, metabolism, genetics, and cell biology. Three hours of lecture. [LCCN: CBIO 1031/General Biology II Lab (Science Majors)]

BIOS 190: Health Science Seminar **1 cr.**

Prerequisite. Permission of department chair. Seminar for undergraduate students anticipating medical studies. One hour of seminar.

BIOS 210: Introduction to Biological Inquiry **3 cr.**

Prerequisites: BIOS 120 and BIOS 120L. 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.

BIOS 222: General Zoology **3 cr.**

Prerequisites: BIOS 120, BIOS 120L, and credit or registration for credit in BIOS 222L. A study of the central facts and principles needed to understand the form, function, and evolution of animals. Three hours of lecture. [LCCN: CBIO 2603/Introduction to Zoology]

BIOS 222L: General Zoology Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 222. Laboratory study of the form and function of animals. This course is designed to correlate with and supplement BIOS 222. Three hours of lab. [LCCN: CBIO 2601/Introduction to Zoology Lab]

BIOS 224: General Botany **3 cr.**

Prerequisites: BIOS 120, BIOS 120L. 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: CBIO 2313/Botany I]

BIOS 224L: General Botany Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 224. Laboratory study of the form and function of plants and fungi. This course is designed to correlate with and supplement BIOS 224. Three hours of lab. [LCCN: CBIO 2311/Botany I Lab]

BIOS 226: Field Zoology **3 cr.**

Prerequisite: BIOS 222. 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.

BIOS 231: Histological Technique **2 cr.**

Prerequisites: BIOS 222, BIOS 224, and credit or registration in BIOS 231L. 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.

BIOS 231L: Histological Technique Laboratory **2 cr.**

Prerequisite: Credit or registration in BIOS 231. The practice of histochemical techniques including staining, microscopy, photomicrography, and isolation of cells and organelles. Six hours of lab.

BIOS 277: 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.

BIOS 278: Dendrology **2 cr.**

Prerequisite: BIOS 277. A continuation of BIOS 277 with particular emphasis on hardwood species with spring and summer characteristics of forest vegetation. One hour of lecture and three hours of lab.

BIOS 284: Human Anatomy and Physiology I **3 cr.**

Prerequisites: BIOS 120 and BIOS 120L. 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.

BIOS 284L: Human Anatomy and Physiology I Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 284. 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.

BIOS 285: Human Anatomy and Physiology II **3 cr.**

Prerequisite: BIOS 284. 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.

BIOS 285L: Human Anatomy and Physiology II Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 285. 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.

BIOS 291: 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.

BIOS 293: Independent Study **1 cr.**

Prerequisite: BIOS 120 or BIOS 120L, 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.

BIOS 295: Systematics Internship **1 cr.**

Prerequisites: BIOS 222 or BIOS 224, 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 BIOS 110, BIOS 110L, BIOS 120, BIOS 120L, and BIOS 210 (or approval of the department chair) as prerequisites unless otherwise noted.

BIOS 320: General Microbiology **3 cr.**

Prerequisites: BIOS 120 and BIOS 120L. A basic study of viruses, rickettsiae, chlamydians, bacteria, algae, fungi, and protozoa, with emphasis on form, structure, reproduction, physiology, metabolism, and identification of microorganisms. Three hours of lecture.

BIOS 320L: General Microbiology Laboratory **1 cr.**

Prerequisite: Credit or registration in BIOS 320. 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.

BIOS 340: Vascular Plant Morphology **3 cr.**

Prerequisites: BIOS 224 and credit or registration in BIOS 340L. 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.

BIOS 340L: Vascular Plant Morphology Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 340. Provides the opportunity to examine living, preserved and fossil specimens of all major vascular plant groups. It is designed to both correlate and supplement BIOS 340. Three hours of lab.

BIOS 341: Introduction to Marine Zoology **4 cr.**

Prerequisites: BIOS 222 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.

BIOS 345: Plant Physiology **3 cr.**

Prerequisites: BIOS 224, CHEM 265, and credit or registration for credit in BIOS 345L. The study of plant function, including soil and water relationships, plant biochemistry, development and environmental physiology. Three hours of lecture.

BIOS 345L: Plant Physiology Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 345. Introduction to laboratory techniques of investigation of plant physiological function. Three hours of lab per week.

BIOS 350: Plant Pathology **3 cr.**

Prerequisite: BIOS 224. 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.

BIOS 350L: Plant Pathology Laboratory **1 cr.**

Prerequisite: Credit or registration in BIOS 350. 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.

BIOS 351: Medical Microbiology **3 cr.**

Prerequisite: BIOS 320. An introduction to the essentials of Medical Microbiology with emphasis on antimicrobial agents, immunology, bacteria, fungi, viruses, and medical parasitology. Three hours of lecture.

BIOS 351L: Medical Microbiology Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 351. 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.

BIOS 355: 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.

BIOS 360: General Entomology **3 cr.**

Prerequisites: BIOS 222 and credit or registration for credit in BIOS 360L. 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.

BIOS 360L: General Entomology Laboratory **2 cr.**

Prerequisite: Credit or registration for credit in BIOS 360. Field and laboratory study of the characteristics, ecology, life histories, collection, and preservation of insects. Six hours of lab.

BIOS 363: Principles of Genetics **3 cr.**

Prerequisite: Credit or registration for credit in BIOS 363L. 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: CBIO 3523/Genetics (Upper Level)]

BIOS 363L: Principles of Genetics Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 363. 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: CBIO 3521/Genetics Lab (Upper Level)]

BIOS 365: Herpetology **3 cr.**

Prerequisites: BIOS 222 and credit or registration for credit in BIOS 365L. 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.

BIOS 365L: Herpetology Laboratory **1 cr.**

Prerequisites: BIOS 222 and credit or registration for credit in BIOS 365. 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.

BIOS 370: Animal Behavior **3 cr.**

Prerequisites: BIOS 222 and credit or registration for credit in BIOS 370L. 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.

BIOS 370L: Animal Behavior Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 370. 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.

BIOS 371: Plant Systematics **2 cr.**

Prerequisites: BIOS 224 and credit or registration for credit in BIOS 371L. 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.

BIOS 371L: Plant Systematics Laboratory **2 cr.**

Prerequisite: Credit or registration for credit in BIOS 371. 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.

BIOS 372: Comparative Anatomy of Vertebrates **2 cr.**

Prerequisites: BIOS 222 and credit or registration for credit in BIOS 372L. 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: CBIO 3233/Comparative Anatomy (Upper Level)]

BIOS 372L: Comparative Anatomy of Vertebrates Laboratory **2 cr.**

Prerequisite: Credit or registration for credit in BIOS 372. Individual study and dissection of selected representatives of the recent vertebrate classes. Six hours of lab. [LCCN: CBIO 3231/Comparative Anatomy Lab (Upper Level)]

BIOS 374: Invertebrate Zoology **3 cr.**

Prerequisites: Twelve hours of biological sciences including BIOS 222 and credit or registration for credit in BIOS 374L 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.

BIOS 374L: Invertebrate Zoology Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 374. Laboratory investigation of taxonomy, morphology, physiology, embryology, ecology, and life histories of invertebrates, protozoa through protochordates. Three hours of lab.

BIOS 376: Vertebrate Natural History **3 cr.**

Prerequisites: BIOS 222 and credit or registration for credit in BIOS 376L. A study of the characteristics, life histories, and evolution of representatives of all vertebrate classes. Three hours of lecture.

BIOS 376L: Vertebrate Natural History Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 376. Field and laboratory study of the characteristics, ecology, and life histories of local species of vertebrates. Three hours of lab.

BIOS 380: Animal Parasitology **3 cr.**

Prerequisites: BIOS 222 and credit or registration for credit in BIOS 380L. 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.

BIOS 380L: Animal Parasitology Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 380. Laboratory investigations of the morphology, life history, and classification of parasites with emphasis on techniques of collecting and examining parasites. Three hours of lab.

BIOS 387: General Physiology **3 cr.**

Prerequisites: CHEM 124, CHEM 124L, and credit or registration for credit in BIOS 387L. 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.

BIOS 387L: General Physiology Laboratory **1 cr.**

Prerequisite: Credit or registration in BIOS 387. 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.

BIOS 420: Cell Biology **3 cr.**

Prerequisites: BIOS 363 and CHEM 265. 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: CBIO 4143/Cell Biology (Upper Level)]

BIOS 420L: Cell Biology Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 420. Modern techniques of investigation of cell structure and function, including microscopy, isolation of cell organelles, cytochemistry, and biochemical methodology. Three hours of lab. [LCCN: CBIO 4141/Cell Biology Lab (Upper Level)]

BIOS 421: Immunology **3 cr.**

Prerequisite: Credit or registration for credit in BIOS 363. 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.

BIOS 421L: Immunology Laboratory **1 cr.**

Prerequisite: Credit or registration in BIOS 421. 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.

BIOS 430: Molecular Biology **3 cr.**

Prerequisites: BIOS 420 and CHEM 265. 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.

BIOS 430L: Molecular Biology Laboratory **2 cr.**

Prerequisite: Credit or registration for credit in BIOS 430. 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.

BIOS 434: Histology **3 cr.**

Microscopic structure and biochemistry of mammalian tissues, stressing relationship of form to function. Three hours of lecture.

BIOS 434L: Histology Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 434. Microscopic structure and biochemistry of mammalian tissues, stressing relationship of form to function. Three hours of lab.

BIOS 435: Ornithology **3 cr.**

Prerequisites: BIOS 222 and credit or registration for credit in BIOS 435L. 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.

BIOS 435L: Ornithology Lab **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 435. 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.

BIOS 440: Principles of Ecology **3 cr.**

Prerequisite: Credit or registration for credit in BIOS 440L, or consent of the department. Fundamental interrelationships between living organisms and the nonliving environments with stress on ecosystem dynamics. Three hours of lecture. [LCCN: CECO 4123/Principles of Ecology (Upper Level)]

BIOS 440L: Principles of Ecology Laboratory **1 cr.**

Prerequisite: Credit or registration in BIOS 440. Techniques in ecological interpretation and mensuration. One hour of lab instruction, and two hours of lab. [LCCN: CECO 4121/Principles of Ecology Lab (Upper Level)]

BIOS 446: Aquatic Biology **3 cr.**

Prerequisite: Credit or registration for credit in BIOS 446L. A study of the physical, chemical, and biological systems of fresh, estuaries, and marine waters. Three hours of lecture.

BIOS 446L: Aquatic Biology Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 446. Practical application of the principles discussed in BIOS 446 with emphasis on fieldwork and identification of the biota of various aquatic habitats. Three hours of lab.

BIOS 450: Marine Ecology **4 cr.**

Prerequisites: BIOS 222, 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.

BIOS 451: 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.

BIOS 452: 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.

BIOS 454: Coastal Marine Geology **4 cr.**

Prerequisites: GEOL 105 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.

BIOS 455: 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.

BIOS 456: Marine Biology **3 cr.**

Prerequisite: BIOS 210. 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.

BIOS 456L: Marine Biology Laboratory **3 cr.**

Prerequisites: BIOS 210 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.

BIOS 460: Microbial Genetics **3 cr.**

Prerequisites: BIOS 363 and one of the following: BIOS 320, BIOS 420, or BCHM 410. 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.

BIOS 461: Virology **3 cr.**

Prerequisite: BIOS 320. A study of the structure and function of viruses, including molecular structure, taxonomy, modes of replication, host cell response to viral infections, impact on human health and disease, epidemiology, viral therapeutics, and use of viruses in genetic engineering. Emphasis will be on animal and bacterial viruses. Three hours of lecture.

BIOS 462: Astrobiology **3 cr.**

Prerequisite: CHEM 265. 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.

BIOS 463: Medical Genetics **3 cr.**

Prerequisite: BIOS 363. 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.

BIOS 465: Applied Biotechnology **3 cr.**

Prerequisites: BIOS 420 and BIOS 420L. 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.

BIOS 470: Evolution **3 cr.**

A study of the theories and mechanisms of evolution. Three hours of lecture.

BIOS 471: 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.

BIOS 472: Ecosystems Interactions **3 cr.**

Prerequisite: BIOS 224 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.

BIOS 475: 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.

BIOS 475L: Developmental Biology Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 475. 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.

BIOS 480: Endocrinology **3 cr.**

Prerequisite: BIOS 420. The nature of hormones, hormonal mechanisms, feedback processes, and hormonal functions. Some clinical applications will be presented. Three hours of lecture.

BIOS 485: Comparative Animal Physiology **3 cr.**

Prerequisites: CHEM 266, CHEM 266L, BIOS 420, or consent of the department and credit or registration for credit in BIOS 485L. A comparative study of physiological mechanisms and specialization in animals; ways in which diverse animals perform similar functions. Three hours of lecture.

BIOS 485L: Comparative Animal Physiology Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 485. Investigative study of physiological mechanisms of animals. One hour of lab instruction and two hours of lab.

BIOS 486: Clinical Anatomy **3 cr.**

Prerequisites: BIOS 285 and BIOS 285L. An overview of the anatomy of the human body using a regional approach, emphasizing anatomy of the thorax, abdomenopelvic cavity, back, head and neck, and upper and lower limbs, while providing information on gross anatomic structures and clinical significance. Three hours of lecture.

BIOS 487: Medical Physiology **3 cr.**

Prerequisites: BIOS 285 and BIOS 285L. 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.

BIOS 490: 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.

BIOS 491: 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.

BIOS 492: 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 BIOS 493. 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.

BIOS 493: Honors Thesis **2 cr.**

Prerequisite: Credit for BIOS 492. The student will complete a research project initiated in BIOS 492. 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.

BIOS 494: Advanced Field Biology **3 cr.**

Prerequisites: BIOS 291 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.

BIOS 495: Seminar **1 cr.**

Prerequisites: Senior standing, must have credit for, or be currently enrolled in BIOS 363/363L and BIOS 440/440L. 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.

BIOS 620: 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.

BIOS 620L: Cell Biology Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 620. 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.

BIOS 621: Advanced Immunology **3 cr.**

Prerequiste: Credit or registration for credit in BIOS 363. 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. Metacognition will be encouraged and assessed via primary literature readings and leadership of at least one journal club session. Three hours of lecture.

BIOS 630: 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.

BIOS 630L: 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.

BIOS 634: Histology **3 cr.**

Microscopic structure and biochemistry of mammalian tissues, stressing relationship of form to function and histological techniques. Three hours of lecture.

BIOS 634L: Histology Lab **1 cr.**

Microscopic structure and biochemistry of mammalian tissues, stressing relationship of form to function and histological techniques. Three hours of lab.

BIOS 635: Ornithology **3 cr.**

Prerequisite: Credit or registration for credit in BIOS 635L. 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.

BIOS 635L: Ornithology Lab **1 cr.**

Prerequisite: Credit or registration for credit in BIOS 435. 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.

BIOS 640: 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.

BIOS 640L: Principles of Ecology Laboratory **1 cr.**

Exploration of applied and quantitative methods to explore biotic and abiotic patterns in populations, communities and ecosystems.

BIOS 646: 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.

BIOS 646L: 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.

BIOS 660: 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.

BIOS 661: Virology **3 cr.**

Prerequisite: BIOS 320. A study of the structure and function of viruses, including molecular structure, taxonomy, modes of replication, host cell response to viral infections, impact on human health and disease, epidemiology, viral therapeutics, and use of viruses in genetic engineering. Emphasis will be on animal and bacterial viruses. This graduate course will assess critical-thinking skills through scholarly readings and written analysis. Three hours of lecture.

BIOS 662: Astrobiology **3 cr.**

Prerequisite: CHEM 265. 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. This graduate course will ass critical-thinking skills through scholarly readings and written analysis. Three hours of lecture.

BIOS 663: 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.

BIOS6 65: 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.

BIOS 670: 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.

BIOS 671: 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.

BIOS 675: Advanced 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. Metacognition will be encouraged and assessed via primary literature readings, problem sets, and leadership of at least one journal club session. Three hours of lecture.

BIOS 686: 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.

BIOS 687: 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.

BIOS 690: 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.

BIOS 701: 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.

BIOS 703: Introduction to Molecular Biology II **3 cr.**

Prerequisite: BIOS 701 or consent of the department. This course is the second in a molecular biology serious 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.

BIOS 720: 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.

BIOS 735: 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 9from an initial text), and computer-based databases and to present the material in an oral and written format. One hour of recitation and discussion.

BIOS 740: Ecological Methodology **3 cr.**

Prerequisite: BIOS 440 or equivalent, or consent of the department. BIOS 740 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.

BIOS 745: 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.

BIOS 750: 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.

BIOS 753: Marine Science for Teachers **4 cr.**

Prerequisite: BIOS 222. 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.

BIOS 760: 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.

BIOS 785: 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.

BIOS 786: 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.

BIOS 787: 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.

BIOS 789: Health Sciences Capstone **3 cr.**

Prerequisite: Credit or registration for credit in BIOS 686. 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.

BIOS 790: Special Topics in Biology **3 cr.**

Special topics in Biology, which may be repeated as topics, vary from term to term.

BIOS 795: Independent Study in Biology **3 cr.**

Independent study in biology. An independent project or study directed by an assigned faculty member.

BIOS 799: 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

BADM 775: 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.

BADM 790: 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.

BADM 795: Graduate Independent Study 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

BLAW 230: 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.

BLAW 280: 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.

BLAW 324: 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 FIN 324.

BLAW 332: Business Law I **3 cr.**

Prerequisite: BLAW 280. 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.

BLAW 333: 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.

BLAW 340: 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.

BLAW 415: Employment Law **3 cr.**

Prerequisite: BLAW 280. 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 MADM 415.

BLAW 420: International Law **3 cr.**

Prerequisite: BLAW 280 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.

BLAW 460: 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.

BLAW 495: Independent Study **3 cr.**

Prerequisites: BLAW 280 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.

BLAW 730: Healthcare Law and Ethics **3 cr.**

Prerequisite: BLAW 280 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 CHEM 121, CHEM 121L, CHEM 124, and CHEM 124L.

CHEM 106: 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 PHSC 106.

CHEM 106L: Introductory Chemistry Laboratory **1 cr.**

Prerequisite: Registration or credit in CHEM 110 or CHEM 106. 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 CHEM 121L. One hour of instruction and two hours of lab. Also listed as PHSC 106L.

CHEM 110: 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 CHEM 110, CHEM 112 sequence is designed for curricula requiring only one year of college chemistry. Three hours of lecture.

CHEM 112: Survey of Organic and Biochemistry **3 cr.**

Prerequisite: CHEM 110 or CHEM 121. 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.

CHEM 112L: Organic and Biochemistry Laboratory **1 cr.**

Prerequisites: CHEM 121L and credit or registration in CHEM 112. Experiments in general, organic, and biochemical reactions. One hour of instruction and two hours of lab.

CHEM 121: General Chemistry* **3 cr.**

Prerequisite: MATH 121 (or higher); it is also strongly suggested that students should have completed a course in high school chemistry or CHEM 110. 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: CCEM 1123/Chemistry I (Science Majors)]

CHEM 121L: General Chemistry Laboratory **1 cr.**

Prerequisite: Credit or registration in CHEM 121. 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: CCEM 1121/Chemistry I Lab (Science Majors)]

CHEM 124: Inorganic Chemistry and Chemical Equilibrium* **3 cr.**

Prerequisites: CHEM 121 or CHEM 110, and consent of the department. A continuation of CHEM 121 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: CCEM 1133/Chemistry II (Science Majors)]

CHEM 124L: Inorganic and Analytical Chemistry **1 cr.**

Prerequisites: CHEM 121L and credit or registration in CHEM 124. 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: CCEM 1131/Chemistry II Lab (Science Majors)]

CHEM 255: Analytical Chemistry **3 cr.**

Prerequisite: CHEM 124. Basic principles and practices of modern methods of analysis. Three hours of lecture. [LCCN: CCEM 2303/Analytical Chemistry]

CHEM 255L Analytical Chemistry Laboratory **1 cr.**

Prerequisites: CHEM 124L and CHEM 255 or concurrent enrollment in CHEM 255. Experiments in modern methods of analysis. Three hours of lab. [LCCN: CCEM 2301/Analytical Chemistry Lab]

CHEM 265: Organic Chemistry I **3 cr.**

Prerequisite: CHEM 124. 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: CCEM 2213/Organic Chemistry I]

CHEM 265L: Organic Chemistry Laboratory I **1 cr.**

Prerequisites: CHEM 124L and credit or registration in CHEM 265. 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: CCEM 2211/Organic Chemistry I Lab]

CHEM 266: Organic Chemistry II **3 cr.**

Prerequisite: CHEM 265. 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: CCEM 2223/Organic Chemistry II]

CHEM 266L: Organic Chemistry Laboratory II **1 cr.**

Prerequisites: CHEM 265L and credit or registration in CHEM 266. A continuation of CHEM 265L 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: CCEM 2221/Organic Chemistry II Lab]

CHEM 290: Undergraduate Research **1 cr.**

Prerequisite: Consent of the department. Introduction to laboratory and library research. Three hours per week.

CHEM 301: Chemistry Literature **1 cr.**

Use of chemical literature. One hour of lecture.

CHEM 303: Physical Chemistry I **4 cr.**

Prerequisites: MATH 222 and PHYS 262. Introduction to thermodynamics, and kinetic theory of gases. Three hours lecture and two hours recitation.

CHEM 303L: Physical Chemistry Laboratory I **1 cr.**

Prerequisite: Credit or registration in CHEM 303. Selected experiments in thermodynamics. Three hours of lab instruction.

CHEM 304: Physical Chemistry II **4 cr.**

Prerequisite: CHEM 303. Chemical kinetics and the introduction to the theories of atomic and molecular structure. Three hours of lecture and two hours of recitation.

CHEM 304L: Physical Chemistry Laboratory II **1 cr.**

Prerequisites: CHEM 303L and registration in CHEM 304. Selected experiments in kinetics, thermodynamics, atomic and molecular structure. Three hours of lab instruction.

CHEM 366: Structure Elucidation of Organic Compounds **2 cr.**

Prerequisites: CHEM 255L and CHEM 266L. Structure elucidation of organic molecules by chemical and instrumental methods. One hour of instruction and five hours of lab.

CHEM 375: Descriptive Inorganic Chemistry **3 cr.**

Prerequisite: CHEM 266. 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.

CHEM 409: Introduction to Chemical Physics **3 cr.**

Prerequisites: CHEM 304 and MATH 223. A continuation of CHEM 304. Three hours of lecture.

CHEM 415: Principles of Environmental Chemistry **3 cr.**

Prerequisites: CHEM 255 and CHEM 266, PHYS 252, 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.

CHEM 430: Materials Science **3 cr.**

Prerequisite: CHEM 266. Topics studied include polymer chemistry, solid-state chemistry, crystallography, and chemistry of modern materials. Three hours of lecture.

CHEM 456: Instrumental Analysis **3 cr.**

Prerequisite: CHEM 304. Modern instrumental analysis. Three hours of lecture.

CHEM 456L: Instrumental Analysis Laboratory **1 cr.**

Prerequisite: Credit or registration in CHEM 456. One hour of instruction and two hours of lab.

CHEM 464: Advanced Organic Chemistry **3 cr.**

Prerequisite: CHEM 266. Selected advanced topics in organic chemistry including reaction mechanisms, synthesis, stereochemistry, and nomenclature. Three hours of lecture.

CHEM 467: Chemical Synthesis **2 cr.**

Prerequisite: CHEM 266L. Laboratory preparation of inorganic, organic, and organometallic compounds using advanced laboratory techniques. One hour of lecture and five hours of lab.

CHEM 470: Advanced Inorganic Chemistry **3 cr.**

Prerequisite: Credit or registration in CHEM 304. Modern theoretical and structural inorganic chemistry. Three hours of lecture.

CHEM 475: Medicinal Chemistry **3 cr.**

Prerequisite: CHEM 266 or CHEM 265 with concurrent enrollment in CHEM 266 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.

CHEM 490: Independent Study **1-3 cr.**

Prerequisite: Consent of the department. Laboratory and/or library research. Three hours of lab per credit hour.

CHEM 495: 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.

CHEM 609: Introduction to Physical Chemistry **3 cr.**

Advanced chemical kinetics and theories of atomic and molecular structure. A continuation of CHEM 304.Three hours of lecture.

CHEM 615: 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.

CHEM 630: 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.

CHEM 656: 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.

CHEM 656L: 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.

CHEM 664: 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.

CHEM 667: 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.

CHEM 670: Advanced Inorganic Chemistry **3 cr.**

Advanced modern theoretical and structural inorganic chemistry. Three hours of lecture.

CHEM 675: Medicinal Chemistry **3 cr.**

Prerequisite: BCHM 410. A relevant survey of the 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 an overview of small molecules, peptides, peptidomimetics, and modern biologic pharmaceuticals, including supplemental lessons in drug synthesis and drug metabolism. Graduate students will acquire additional knowledge about drug pharmacololgy, metabolism and syntheses, and will be required to make an oral presentation of their research paper to the class. Three hours of lecture.

CHEM 690: 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.

CHEM 785: Selected Topics in Chemistry for Teachers **3 cr.**

Prerequisite: CHEM 266. 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.

CHEM 790: Special Topics in Chemistry **3 cr.**

Special topics in Chemistry, which may be repeated as topics, vary from term to term.

CHEM 795: Independent Study in Chemistry **3 cr.**

Independent study in chemistry. An independent project or study directed by an assigned faculty member.

CHEM 799: Thesis **3 cr.**

Thesis. Research project carried out under the supervision of assigned faculty member. May be repeated.

COMMUNICATION

COMM 130: 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.

COMM 135: Public Speaking* **3 cr.**

Prerequisite: Credit or registration in ENGL 105. 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: CCOM 2013/Public Speaking]

COMM 165: 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 COMM 365. Five hours of lab.

COMM 201: 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: CCOM 1013/Fundamentals of Communication]

COMM 290: 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.

COMM 295: Communication Theories **3 cr.**

Prerequisite: MCOM 151 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 MCOM 295.

COMM 320: Communication Research **3 cr.**

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 MCOM 320.

COMM 325: Oral Interpretation **3 cr.**

Prerequisite: COMM 135 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.

COMM 331: Advanced Argumentation **3 cr.**

Prerequisite: COMM 135 or consent of the department. A continuation of COMM 135 with special attention given to deliberative and ceremonial speaking. Development of skills and techniques of persuasion emphasized. Three hours of lecture.

COMM 333: Introduction to Health Communications **3 cr.**

Prerequisite: COMM 135 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.

COMM 355: Interpersonal Communications **3 cr.**

Prerequisite: COMM 135 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: CCOM 2213/Interpersonal Communication]

COMM 365: Advanced Forensics **1 cr.**

Prerequisite: COMM 165 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 COMM 165, and travel as needed to participate in intercollegiate completion. May be repeated for a maximum of four hours. Five hours of lab.

COMM 405: 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 MCOM 405.

COMM 440: 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.

COMM 455: 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.

COMM 460: 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.

COMM 490: 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.

COMM 495: 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.

COMM 640: 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.

COMM 655: 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.

COMM 660: 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

CSC 101: 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.

CSC 115: 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.

CSC 120: Introduction to Programming **3 cr.**

Corequisite: MATH 121 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.

CSC 135: Object-Oriented Programming I **3 cr.**

Prerequisite: CSC 120. 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.

CSC 145: Object-Oriented Programming II **3 cr.**

Prerequisite: CSC 135. A continuation of the topics in CSC 135, 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.

CSC 151: 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.

CSC 152: Introduction to Networking II **3 cr.**

Prerequisite: CSC 151. A continuation of the topics in CSC 151 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.

CSC 190: 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.

CSC 220: 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.

CSC 225: 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.

CSC 242: Computer Architecture and Organization **3 cr.**

Prerequisite: CSC 135. 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.

CSC 251: Advanced Networking I **3 cr.**

Prerequisite: CSC 152. 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.

CSC 252: Advanced Networking II **3 cr.**

Prerequisite: CSC 251. 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.

CSC 270: 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.

CSC 280: 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.

CSC 285: Object-Oriented Design **3 cr.**

Prerequisite: CSC 145. An introduction to object-oriented design, design patterns, and design tools. Three hours of lecture in a computer lab setting.

CSC 315: Introduction to Database Systems **3 cr.**

Prerequisite: CSC 145. 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.

CSC 345: Data Structures **3 cr.**

Prerequisites: CSC 285 and MATH 201. 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.

CSC 346: Analysis of Algorithms **3 cr.**

Prerequisite: CSC 345. Study and analysis of fundamental algorithms for common computational tasks. Mathematical methods are used to determine the inherent computational efficiency of algorithms. Three house of lecture in a computer lab setting.

CSC 351: Advanced Networking III **3 cr.**

Prerequisite: CSC 252. 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.

CSC 382: Systems Programming **3 cr.**

Prerequisites: CSC 242 and CSC 285. 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.

CSC 395: 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.

CSC 401: 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.

CSC 402: 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.

CSC 404: 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.

CSC 410: 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.

CSC 412: 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.

CSC 420: Programming Language Concepts **3 cr.**

Prerequisite: CSC 345. 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.

CSC 425: Database Implementation **3 cr.**

Prerequisite: CSC 315 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.

CSC 430: Computer Networks **3 cr.**

Prerequisite: CSC 345. 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.

CSC 431: Cyber Security Operations **3 cr.**

Prerequisite: CSC 382. 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.

CSC 435: Programming with Internet Technologies **3 cr.**

Prerequisites: CSC 315, CSC 345, and CSC 382. 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.

CSC 438: Network and Computer Security **3 cr.**

Prerequisite: CSC 345. 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.

CSC 440: 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.

CSC 445: 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.

CSC 450: Computer Graphics **3 cr.**

Prerequisites: CSC 345 and MATH 254. Corequisite: MATH 222. Techniques for representation, transformation, and display of patterns and images on graphics display devices. Three hours of lecture.

CSC 460: Rapid Applications Development **3 cr.**

Prerequisite: CSC 345. 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.

CSC 464: Information Visualization **3 cr.**

Prerequisite: CSC 345 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.

CSC 465: Introduction to Artificial Intelligence **3 cr.**

Prerequisite: CSC 345 or consent of the department. Introduction to fundamental topics in artificial intelligence including agents, search, constraint satisfaction, game theory, logic, reasoning under uncertainty, decision theory, Markov decision processes, Bayesian learning, and reinforcement learning. This course equips students with rigorous mathematical tools to tackle complex real-world problems, such as web search, speech recognition, face or object recognition, machine translation, fraud detection, autonomous driving, and medical diagnosis. Three hours of lecture in a computer lab setting.

CSC 466: Introduction to Bioinformatics **3 cr.**

Prerequisite: CSC 345 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.

CSC 467: Introduction to Machine Learning **3 cr.**

Prerequisites: CSC 120 and MATH 121, or consent of the department. Knowledge of Python desirable. Machine learning explores "How can computer programs automatically improve their performance through experience?" Linear models of classification and regression; supervised and unsupervised learning; kernel methods; sequential models; neural networks and introduction to deep learning. Recent applications in speech recognition and computer vision. Three hours of lecture in a classroom/computer lab setting.

CSC 468: Introduction to Data Mining and Knowledge Discovery **3 cr.**

Prerequisite: CSC 345 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.

CSC 469: Deep Learning **3 cr.**

Prerequisites: CSC 467/667 or consent of the department. Python required. Deeper artificial neural networks with feature learning. Convolutional Neural Network; Recurrent Neural Network; Long Short-Term Memory; Auto-encoder. Privacy and security. Recent advances. Three hours of lecture in a classroom/computer lab setting.

CSC 470: Mobile Robotics **3 cr.**

Prerequisite: CSC 345 or consent of the department. The course provides an overview of different types of robots, sensors, and locomotion. After the overview, algorithms and models for control, perception, sensing, localization, mapping, planning, and navigation are presented. Students taking this class benefit from mastering the basic aspects of robotics and from implementing algorithms for different aerial, mobile, and manipulator robots. Three hours of lecture in a computer lab setting.

CSC 475: 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.

CSC 480: 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.

CSC 481: Software Engineering Project **3 cr.**

Prerequisites: CSC 480, CSC 315, and CSC 460. 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.

CSC 485: Social and Ethical Issues in Computing **1 cr.**

Prerequisite: CSC 345. In-depth exploration of the social, psychological, political, and ethical issues surrounding the computer industry and the evolving information society.

CSC 490: 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.

CSC 495: 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.

CSC 601: 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.

CSC 602: 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.

CSC 604: 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.

CSC 606: 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.

CSC 608: 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.

CSC 610: 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.

CSC 612: 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.

CSC 620: 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.

CSC 625: 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.

CSC 630: 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.

CSC 631: 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.

CSC 635: 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.

CSC 638: 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.

CSC 640: 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.

CSC 645: 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.

CSC 650: 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.

CSC 660: 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.

CSC 662: 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.

CSC 664: 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.

CSC 667: Introduction to Machine Learning **3 cr.**

Prerequisites: CSC 120 and MATH 121, or consent of the department. Knowledge of Python and statistics desirable. Computer programs that can automatically improve performance through experience. Linear models of classification and regression; supervised and unsupervised learning; kernel methods; sequential models; neural networks and introduction to deep learning. Recent applications in speech recognition and computer vision. Three hours of lecture in a classroom/computer lab setting.

CSC 668: 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.

CSC 669: Deep Learning **3 cr.**

Prerequisites: CSC 467/667 or consent of the department. Python required. Artificial neural networks with multiple layers and richer feature learning. Convolutional Neural Network; Recurrent Neural Network; Long Short-Term Memory; Auto-encoder; Generative Adversarial Network. Representative learning. Applications and recent advances. Three hours of lecture in a classroom/computer lab setting.

CSC 680: 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.

CSC 681: 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.

CSC 690: Selected Topics **3 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 in-depth study of topics relevant to the course topic. May be repeated for credit when the topics vary. Three hours of lecture.

CSC 695: 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.

CSC 798: 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

CST 707: 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.

CST 711: 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.

CST 720: 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.

CST 725: 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 tolls. Three hours of lecture in a computer lab setting.

CST 785: 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.

CST 790: 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.

CST 796: 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.

CST 797: 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.

CST 798: 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.

CST 799: 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

COUN 701: 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.

COUN 720: 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.

COUN 721: 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.

COUN 722: 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.

COUN 723: Counseling Methods and Techniques **3 cr.**

Prerequisite: COUN 720 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.

COUN 724: 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.

COUN 728: 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.

COUN 732: 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.

COUN 733: 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.

COUN 735: 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.

COUN 736: Cross-Cultural Issues in the Helping Professions **3 cr.**

This course is designed to familiarize prospective helping professionals with the environmental, personal, socioeconomic, and psychological characteristics of culturally different groups and to help them understand the unique counseling concerns related to varying racial and cultural groups.

COUN 740: Professional Orientation and Ethics in Rehabilitation Counseling **3 cr.**

This course provides a conceptual overview of the professional, historical, theoretical, research, and applied foundations of the rehabilitation profession as related to the ethical provision of services for individuals with disabilities. Three hours of lecture or equivalent.

COUN 741: Rehabilitation Case Management **3 cr.**

This course examines the case management process in rehabilitation. Prospective helping professionals will learn how to guide clients through the rehabilitation process from referral to case closure and develop appropriate ethical rehabilitation plans with clients. Three hours of lecture or equivalent.

COUN 742: Employment Development and Vocational Placement **3 cr.**

This course examines theories and practices associated with successful job placement of individuals with disabilities. Prospective helping professionals will learn techniques for empowering individuals with disabilities to obtain integrated, community-based employment. Three hours of lecture or equivalent.

COUN 743: Medical and Psychosocial Aspects of Disability **3 cr.**

This course examines the medical, functional, and environmental aspects of disability. The focus is on understanding the medical aspects related to human body systems and disability; understanding medical terminology, principles of the diagnostic process, and diagnostic tools used by medical and other health professionals; understanding the onset, severity, progression, and duration of an individual's disability; understanding the psychosocial impact of disability on the individual, family, and environment; and evaluating the use of assistive technology and other appropriate intervention resources to reduce or eliminate barriers and functional limitations. Three hours of lecture or equivalent.

COUN 783: 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.

COUN 786: Internship in Counseling I **3 cr.**

Prerequisite: COUN 783 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.

COUN 787: Internship in Counseling II **3 cr.**

Prerequisite: COUN 786. A continuation of COUN 786. 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

CJ 107: 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.

CJ 211: The Judicial Process and the Supreme Court **3 cr.**

Prerequisite: POLI 151. An introduction to the structure and decision-making of the United States judicial system. Three hours of lecture. Also listed as POLI 211.

CJ 214: Police Process **3 cr.**

Prerequisite: CJ 107 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.

CJ 216: Corrections Process **3 cr.**

Prerequisite: CJ 107 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.

CJ 250: Drug Abuse, Society and the Law **3 cr.**

Prerequisite: CJ 107 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.

CJ 252: Community Policing and Problem Solving **3 cr.**

Prerequisite: CJ 107 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.

CJ 254: The Juvenile Justice System **3 cr.**

Prerequisite: CJ 107 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.

CJ 290: Contemporary Issues in Criminal Justice **3 cr.**

Prerequisites: CJ 107 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.

CJ 306: Corrections within the Community **3 cr.**

Prerequisite: CJ 107 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.

CJ 310: Survey of Forensic Science **3 cr.**

Prerequisites: CJ 107 and CJ 265, 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.

CJ 320: Criminology **3 cr.**

Prerequisite: SOCL 105. Analysis of crime and its causes, theories of criminal and delinquent behavior. Three hours of lecture. Also listed as SOCL 320.

CJ 322: Juvenile Delinquency **3 cr.**

Study of Juvenile delinquency, its causes, treatment, and prevention. Three hours of lecture. Also listed as SW 322 and SOCL 322.

CJ 330: Research Methods in the Social Sciences **3 cr.**

Prerequisite: CJ 107, SOCL 105, SOCL 107, or POLI 151. 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 POLI 330 and SOCL 330.

CJ 365: Criminal Investigation **3 cr.**

Prerequisite: CJ 107 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.

CJ 390: Special Topics in Criminal Justice and Criminology **3 cr.**

Prerequisite: CJ 107 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.

CJ 399: 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.

CJ 400: Homeland Security **3 cr.**

Prerequisite: CJ 107 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.

CJ 401: Critical Legal Issues in Criminal Justice **3 cr.**

Prerequisite: CJ 107. 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.

CJ 402: Terrorism **3 cr.**

Prerequisite: CJ 107 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.

CJ 403: Criminal Evidence **3 cr.**

Prerequisite: CJ 107, POLI 211, 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.

CJ 404: Cybercrime **3 cr.**

Prerequisite: CJ 107 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.

CJ 405: Security Administration of Business and Industry **3 cr.**

Prerequisite: CJ 107 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.

CJ 406: Geographic Profiling **3 cr.**

Prerequisite: CJ 107 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 GEOG 406.

CJ 408: Computer Applications in Criminal Justice **3 cr.**

Prerequisite: CJ 107 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.

CJ 410: Crime Analysis **3 cr.**

Prerequisite: CJ 107 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.

CJ 411: American Constitution Law **3 cr.**

Prerequisite: CJ 211 or POLI 211. 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 POLI 411.

CJ 415: Juvenile Law and Procedure **3 cr.**

Prerequisites: CJ 107 and CJ 254, 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.

CJ 425: Violence in American Society **3 cr.**

Prerequisite: CJ 107 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.

CJ 430: Deviant Behavior and Social Response **3 cr.**

Prerequisite: CJ 107 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.

CJ 431: Justice Administration and Management **3 cr.**

Prerequisite: CJ 107 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.

CJ 435: Women, Crime & Criminal Justice **3 cr.**

Prerequisite: CJ 107 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.

CJ 440: Serial Murder **3 cr.**

Prerequisite: CJ 107 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.

CJ 445: Gangs in America **3 cr.**

Prerequisite: CJ 107 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.

CJ 453: Criminal Law **3 cr.**

Prerequisite: CJ 107, CJ 211, POLI 211, 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.

CJ 455: Community Relations in Criminal Justice Organizations **3 cr.**

Prerequisite: CJ 107 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.

CJ 465: Sex Crimes and Sexual Deviance **3 cr.**

Prerequisite: CJ 107 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.

CJ 475: White Collar Crime **3 cr.**

Prerequisite: CJ 107, SOCL 105, 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.

CJ 490: Seminar in Criminal Justice **3 cr.**

Prerequisite: CJ 107 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.

CJ 495: Independent Reading and Research **3 cr.**

Prerequisite: CJ 330, SOCL 286, 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.

CJ 600: 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.

CJ 601: 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.

CJ 602: 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.

CJ 604: 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.

CJ 605: 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.

CJ 606: 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.

CJ 608: 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.

CJ 610: 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.

CJ 625: 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.

CJ 630: 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 or deviance. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

CJ 635: 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.

CJ 640: Serial Murder **3 cr.**

Prerequisite: Graduate standing. This course is designed to give graduate students a current, thorough, and comprehensive understanding of serial murder. Psychopathology, victimology, forensics, and the social construction of serial murder will be examined. Emphasis will be placed upon the critical evaluation and advancement of theory. Students will be assessed through scholarly readings and written analyses. Three hours of lecture.

CJ 645: 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.

CJ 655: 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.

CJ 675: 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 wells as, the critical evaluation and advancement of criminological theory. Three hours of lecture.

CJ 690: 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.

CJ 695: 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

DEB 165: 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.

DEB 265: Intermediate Competitive Debate **1 cr.**

Prerequisite: DEB 165 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 DEB 165 novice students. May not be taken simultaneously with DEB 165 or DEB 365. May be repeated for a maximum of three hours. One hour of lecture.

DEB 365: Advanced Competitive Debate **1 cr.**

Prerequisite: DEB 165 and DEB 265 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 DEB 165 and DEB 265 students. May not be taken simultaneously with DEB 165 or DEB 265. May be repeated for a maximum of three hours. One hour of lecture.

DIGITAL ARTS

DA 110: 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.

DA 150: 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:C ART 1113/Art Structure/2-D Design]

DA 210: 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.

DA 211: 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.

DA 220: 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.

DA 250: Intermediate Design **3 cr.**

Prerequisite: DA 150 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.

DA 255: 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.

DA 315: Adobe Photoshop I **3 cr.**

Prerequisite: DA 210 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.

DA 317: Adobe InDesign **3 cr.**

Prerequisite: DA 210 and DA 250, or consent of the department. Introduction to digital typographic solutions, layout, and production. Two hours of lecture and two hours of lab.

DA 318: Digital Illustration I **3 cr.**

Prerequisite: DA 210 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.

DA 319: 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.

DA 320: After Effects I **3 cr.**

Prerequisite: DA 315. Introduction to 2D animation, motion graphics, and digital compositing using After Effects. Two hours of lecture and two hours of lab.

DA 321: Introduction to 2D Digital Animation **3 cr.**

Prerequisite: FA 100 and DA 220, 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.

DA 325: Interactive Design I **3 cr.**

Prerequisite: DA 315. Recommended: DA 318 and DA 320. An introduction to user-interface design as it applies to digital applications and software. Two hours of lecture and two hours of lab.

DA 326: Web Design I **3 cr.**

Prerequisite: DA 315. 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.

DA 327: Game Design I **3 cr.**

Prerequisite: DA 315. Introduction to concepts associated with game theory and developing visual assets for video games. Two hours of lecture and two hours of lab.

DA 328: 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.

DA 329: 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.

DA 330: 3D Modeling I **3 cr.**

Prerequisite: DA 220. Introduction to basic 3D modeling and texturing. Two hours of lecture and two hours of lab.

DA 331: 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.

DA 332: 3D Animation I **3 cr.**

Prerequisite: DA 220. Introduction to basic 3D animation. Two hours of lecture and two hours of lab.

DA 388: Digital Painting **3 cr.**

Prerequisite: FA 200 or consent of the department. Recommended: FA 241. Introduction to digital painting with an emphasis on artistic technique. Two hours of lecture and two hours of lab.

DA 412: Corporate Identity Design **3 cr.**

Prerequisites: DA 211, DA 315, and DA 318, 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.

DA 413: Advertising Campaign **3 cr.**

Prerequisite: DA 412 or consent of the department. Continuation of DA 412. 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.

DA 414: Experimental Design **3 cr.**

Prerequisite: DA 315. Recommended: DA 318. 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.

DA 415: Adobe Photoshop II **3 cr.**

Prerequisite: DA 315. Continuation of DA 315 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.

DA 416: Package Design **3 cr.**

Prerequisites: DA 315 and DA 318, 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.

DA 418: Digital Illustration II **3 cr.**

Prerequisite: DA 318. Continuation of DA 318 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.

DA 419: Digital Video Editing II **3 cr.**

Prerequisite: DA 319. Continuation of DA 319 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.

DA 420: After Effects II **3 cr.**

Prerequisite: DA 320. Recommended: DA 319. Continuation of DA 320 with an emphasis on further developing the use of After Effects as a creative tool. Two hours of lecture and two hours of lab.

DA 425: Interactive Design II **3 cr.**

Prerequisite: DA 325. Continuation of DA 325. 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.

DA 426: Web Design II **3 cr.**

Prerequisite: DA 326. Continuation of DA 326. 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.

DA 427: Game Design II **3 cr.**

Prerequisite: DA 327. Continuation of DA 327 with an emphasis on creating a playable video game. Two hours of lecture and two hours of lab.

DA 430: 3D Modeling II **3 cr.**

Prerequisite: DA 330. Continuation of DA 330 with an emphasis on creating a fully textured model. Two hours of lecture and two hours of lab.

DA 432: 3D Animation II **3 cr.**

Prerequisite: DA 332. Continuation of DA 332 with emphasis on creating a fully animated model. Two hours of lecture and two hours of lab.

DA 433: Environment Modeling **3 cr.**

Prerequisite: DA 330, DA 331, or consent of the department. An introduction to the pipelines and work-flows used to create 3D environments and props in the commercial, entertainment, and gaming industries. An overview of the modeling approaches using 3D modeling with various levels of detail (LOD), along with appropriate texture map creation for use in the various work-flows will be covered in depth, along with personal and in-class project exploration. Two hours of lecture and two hours of lab.

DA 434: Materials and Lighting **3 cr.**

Prerequisite: DA 330 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.

DA 450: 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.

DA 490: 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.

DA 495: 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.

DA 498: 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.

DA 499: 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

DPPA 401: Disaster Preparedness Administration **3 cr.**

Prerequisite: MADM 301, POLI 201, SOCL 302, 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.

DPPA 420: 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.

DPPA 430: 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.

DPPA 601: Disaster Preparedness Administration **3 cr.**

Prerequisite: MADM 301, POLI 201, SOCL 302, 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.

DPPA 620: 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.

DPPA 630: 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

ECON 201: Principles of Macroeconomics* **3 cr.**

Prerequisite: MATH 121. An introductory study of the nature of macroeconomics, with emphasis on national income determination and the monetary system. Three hours of lecture.

ECON 202: Principles of Microeconomics* **3 cr.**

Prerequisite: MATH 121. 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.

ECON 285: 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.

ECON 301: Aggregate Economic Analysis **3 cr.**

Prerequisites: ECON 201 and ECON 202. 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.

ECON 302: Intermediate Economic Theory **3 cr.**

Prerequisites: ECON 201 and ECON 202. 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.

ECON 310: Money, Banking, and Monetary Policy **3 cr.**

Prerequisites: ECON 201 and ECON 202. An intermediate study of the nature and functions of money, the banking system of the United States, and monetary theory. Three hours of lecture.

ECON 320: History of Economic Thought **3 cr.**

Prerequisites: ECON 201 and ECON 202. 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.

ECON 460: International Economics **3 cr.**

Prerequisites: ECON 201 and ECON 202. An introduction to the theories of trade, international payments, foreign exchange rates, instruments, markets, and adjustment of international disequilibria. Three hours of lecture.

ECON 490: 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.

ECON 495: 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.

ECON 500: Fundamentals of Economics **1 cr.**

An introduction to the foundations of economic analysis. Grading will be on a pass/fail basis.

ECON 705: 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

ED 201: 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.

ED 202: Introduction to Technology in Education **3 cr.**

Prerequisite: ED 201. 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.

ED 211: Classroom Organization and Management in the Elementary School **1 cr.**

Prerequisite: Credit for or concurrent registration in ED 201 and PSYC 206. 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.

ED 221: Classroom Organization and Management in the Secondary School **1 cr.**
Prerequisite: Credit for or concurrent registration in ED 201 and PSYC 206. 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.

ED 222: Seminar in Teaching Algebra **1 cr.**
Prerequisite: MATH 221. An experiential learning course, tutoring Algebra students in a computer classroom environment. One hour of seminar, two hours of lab.

ED 228: Practicum in Mainstream Education for Handicapped Pupils **3 cr.**
Prerequisites: ED 211 or ED 221, 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.

ED 250: Introduction to Special Education **3 cr.**
Prerequisite: Completion of or enrollment in PSYC 207 or PSYC 208. 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.

ED 260: 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).

ED 295: Independent Study in Education **3 cr.**
Prerequisite: ED 201 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.

ED 300: Foundations of Assessment **3 cr.**
Prerequisites: ED 201 and PSYC 206. A study of the theoretical and practical aspects of assessing student learning.

ED 302: Teaching Pupils with Learning and Behavior Problems **3 cr.**
Prerequisite: ED 201. 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.

ED 303: Teaching Basic Subjects to Children with Special Needs **3 cr.**
Prerequisite: ED 201 or PSYC 206. Methods, materials, and differentiation for instruction in the basic academic subjects for pupils with mild and moderate levels of special needs. Candidates are required to apply knowledge and skills in field-based experiences. Three hours of lecture.

ED 304: Strategies in Classroom Motivation **3 cr.**
Prerequisite: ED 250. 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.

ED 305: Collaboration for Inclusive Education **3 cr.**
Prerequisite: ED 303 or ED 304. This course will introduce strategies that will develop effective partnership and collaboration between education professionals, parents, and students. Three hours of lecture.

ED 307: Methods and Materials of Early Childhood Mathematics **3 cr.**
Prerequisite: MATH 127. 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. Participation in an early childhood classroom is required. Three hours of lecture.

ED 308: Methods and Materials in Elementary Mathematics I **3 cr.**
Prerequisite: MATH 127 (ECE majors and Elementary Education majors). Credit for or concurrent enrollment in MATH 217 (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. Participation in an elementary classroom is required. Three hours of lecture.

ED 309: Methods and Materials in Elementary Mathematics II **3 cr.**
Prerequisite: ED 308. 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. Participation in an elementary classroom is required. Three hours of lecture.

ED 310: Materials and Methods in Elementary Social Studies and Science **3 cr.**
Prerequisites/Corequisites: ED 250 and PSYC 207. 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.

ED 311: Methods and Materials in Elementary Science **3 cr.**
Prerequisites: PSYC 207 and 3 hours of science. Materials and methods used in the teaching of science at elementary levels. Participation in an elementary classroom is required. Three hours of lecture.

ED 314: Materials and Methods in Elementary School Social Studies **3 cr.**
Prerequisites: ED 201, ED 202, and PSYC 206. Materials and methods used in teaching social studies in the elementary grades. Three hours of lecture.

ED 315: Materials and Methods in Elementary School Math **3 cr.**
Prerequisites: ED 201, ED 202, PSYC 206, and grades of C or better in MATH 121, MATH 127, MATH 217, and MATH218. Materials and methods in teaching mathematics in the elementary school. Three hours of lecture.

ED 316: Materials and Methods in Elementary Language Arts **3 cr.**
Prerequisites: ED 202 and ENGL 301. 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. Participation in an elementary classroom is required. Three hours of lecture.

ED 317: Reading/Writing Processes I **3 cr.**
Prerequisite: Credit for or concurrent registration in ED 316. Reading and writing development of the primary elementary student. Emphasis on foundational knowledge, dispositions, assessment, instructional strategies, and curriculum materials. Participation in an elementary classroom is required. Three hours of lecture.

ED 318: Reading/Writing Processes II **3 cr.**
Prerequisites: ED 317. The study of foundational knowledge, dispositions, assessment, instructional strategies, and curriculum materials used to develop elementary readers and writers. Participation in an elementary classroom is required. Three hours of lecture.

ED 319: Practicum in Reading **3 cr.**
Prerequisite: ED 318. 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. Participation in an elementary classroom is required. Three hours of lecture.

ED 320: Materials and Methods in Secondary School Reading **3 cr.**
Prerequisites: ED 201 and PSYC 206. Materials and methods used in teaching reading in the content areas in the secondary school. Participation in a secondary classroom is required. Three hours of lecture.

ED 385: 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.

ED 386: Special Education Diagnostics Practicum I **3 cr.**
Prerequisite: ED 302 or ED 303. Theory and practice of using classroom diagnostics for planning and implementing instruction. Emphasizes informal approaches. Three hours of lecture.

ED 387: Special Education Diagnostics Practicum II **3 cr.**
Prerequisite: ED 386. 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.

ED 388: 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 field-based experiences. Three hours of lecture.

ED 409: Teaching Vocational Education to Children with Special Needs **3 cr.**
Prerequisite: ED 302 or ED 303. Methods, materials, and differentiation for instruction in the basic academic subjects for pupils with mild and moderate levels of special needs. Candidates are required to apply knowledge and skills in field-based experiences. Three hours of lecture.

ED 411: Preparation for Clinical Practice in the Elementary School **2 cr.**
Prerequisites: See *PREPARATION FOR CLINICAL PRACTICE* in this catalog. Supervised experience in planning, directing, and evaluating learning experiences in elementary education. One hour of seminar and three hours of lab. Grading is pass/no credit.

ED 412: Classroom Management in the Elementary School **3 cr.**
Prerequisite: Must be taken concurrently with ED 422 or ED 424. A study of classroom management techniques and research related to effective management of the elementary classroom-learning environment, student behavior, and classroom resources. Participation in an elementary classroom is required. Three hours of lecture or equivalent.

ED 413: The Middle School **3 cr.**
Prerequisites: ED 201 and PSYC 206, or consent of the department. A study of principles, practices, trends and issues in curriculum and instruction in schools serving early adolescent learners. Participation in a secondary classroom is required. Three hours of lecture.

ED 414: 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.

ED 416: Practicum in Elementary Mathematics **3 cr.**
Prerequisite: ED 308 (ECE majors) or ED 309 (Elementary Education 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. Participation in an elementary classroom is required. Nine hours of lab.

ED 417: 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. Participation in an early childhood classroom is required. Three hours of lecture.

ED 418: Materials and Methods in Early Childhood Education **3 cr.**
Prerequisite: Credit for or concurrent registration in ED 417. Theoretical bases of early childhood curriculum development, design of curricula, organization of instruction, teaching strategies, and evaluation and assessment techniques. Participation in an early childhood classroom is required. Three hours of lecture.

ED 419: Language Development and Communication Skills **3 cr.**
Prerequisites: PSYC 207 and credit for or concurrent registration in ED 417. Study of knowledge, skills, and dispositions needed to plan for and facilitate developmentally appropriate communication experiences of young children. Participation in an early childhood classroom is required. Three hours of lecture.

ED 420: Nursery and Preschool Education **3 cr.**
Prerequisites: PSYC 207 and credit for or concurrent registration in ED 417. The study of appropriate educational settings and curricula for children birth to five. Participation in an early childhood classroom is required. Three hours of lecture.

ED 421: Preparation for Clinical Practice in the Secondary School **2 cr.**
Prerequisites: See *PREPARATION FOR CLINICAL PRACTICE* in this catalog. Supervised experience in planning, directing, and evaluating learning experiences in secondary education. One hour of seminar and three hours of lab. Grading is pass/no credit.

ED 422: 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.

ED 423: Practicum **3-6 cr.**

Prerequisite: Completion of or concurrent enrollment in ED 422. Supervised experience working with students in kindergarten, special education, or gifted education setting. Grading is pass/no credit.

ED 424: 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.

ED 430: Principles of Teaching and Learning **3 cr.**

Prerequisites: ED 201, PSYC 206, 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. Participation in a secondary classroom is required. Three hours of lecture.

ED 435: Materials and Methods in Secondary Sciences **3 cr.**

Prerequisites: ED 201, PSYC 206, ED 430, and at least fifteen 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. Participation in a secondary classroom is required. Three hours of lecture.

ED 436: Materials and Methods in Secondary English **3 cr.**

Prerequisites: ED 201, PSYC 206, ED 430, and at least fifteen hours in English. Curriculum and methods in teaching English in secondary schools with an emphasis on lesson plan writing and demonstration lessons. Participation in a secondary classroom is required. Three hours of lecture.

ED 437: Materials and Methods in Secondary Mathematics **3 cr.**

Prerequisites: ED 201, PSYC 206, ED 430, 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. Participation in a secondary classroom is required. Three hours of lecture.

ED 438: Materials and Methods in Secondary Social Studies **3 cr.**

Prerequisites: ED 201, PSYC 206, ED 320, and at least fifteen hours in Social Science. Curriculum and methods in teaching Social Studies in secondary schools with an emphasis on lesson plan writing and demonstration lessons. Participation in a secondary classroom is required. Three hours of lecture.

ED 439: Materials and Methods in Art Education **3 cr.**

Prerequisites: ED 201, PSYC 206, ED 430, 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.

ED 440: Materials and Methods in Foreign Language Education **3 cr.**

Prerequisites: ED 201, PSYC 206, ED 430, 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.

ED 481: Design and Development of Multimedia Instructional Units **3 cr.**

Prerequisite: ED 202 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. Three hours of lecture.

ED 484: Educational Telecommunications, Networks, and the Internet **3 cr.**

Prerequisite: ED 202 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.

ED 490: 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.

ED 681: Design and Development of Multimedia Instructional Units **3 cr.**

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. 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.

ED 684: Educational Telecommunications, Networks, and the Internet **3 cr.**

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.

ED 690: 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.

ED 706: 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.

ED 709: Mentor Teacher Training **1 cr.**

The identification, modification and use of high quality instructional materials for use by diverse learners and the creation of text sets. Diagnose and prioritize areas for growth, provide coaching and support, monitor progress, and adjust mentoring as needed to improve content instruction and classroom management.

ED 720: Curriculum **3 cr.**

A systematic study of the history, theory and practice of curriculum development in American education. Three hours of lecture.

ED 726: 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.

ED 727: 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.

ED 729: 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.

ED 731: Educational Supervisory Practice **3 cr.**

A study of principles and techniques used in supervising and mentoring preservice teacher candidates and inservice teachers. Three hours of lecture.

ED 734: 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.

ED 740: 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.

ED 741: 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.

ED 743: Practicum in Reading **3 cr.**

Prerequisite: ED 741. 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.

ED 744: 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.

ED 750: The History of Urban Education **3 cr.**

The History or Urban Education exposes students to historical and contemporary urban education data and legislation. Specifically, this course investigates: (a) the interplay of race, power, and politics in urban schools; (b) underscores the concomitant impact these factors impose on urban children, their families, and the community-at-large; and (c) highlights the resilience of these communities. As such, this course helps students cultivate a justice-oriented, culturally responsive mindset.

ED 751: Urban Schools and the Community **3 cr.**

Students explore research-based theories and best practices in school, family, and community collaboration. Educators will develop strategies for positively interacting with, relating to, and understanding the context of urban communities, their identified strengths and challenges, and citizens. The emphasis of the course is on students researching, creating, implementing, and evaluating an action plan for community partnerships in the urban setting.

ED 752: Culturally Responsive Classroom Organization and Management **3 cr.**

This course intends to critically address school discipline and urban schools. It offers specific approaches and strategies for enacting culturally responsive classroom management (CRCM). It explores how educators can establish an equitable and socially just classroom culture. Particular consideration is given to building mutually respectful relationships with diverse students, engaging parents/guardians/families from different cultural backgrounds, and creating and sustaining a safe, caring, and inclusive classroom using restorative practices that engender a positive learning environment.

ED 753: Urban School Reform **3 cr.**

This course examines systemic school reform movements in the urban school context. Various reform strategies at different levels as well as theories, policies, practices, and controversies of various mechanisms of reform will be evaluated including the K-8 movement, small high schools, school choice (charters and vouchers), mayoral control, merit-pay, and alternative routes to teaching. Participants will synthesize information about school reform in urban schools and systems and will reflect on their role in this process. Final evaluation of reform strategies will be grounded in the effect these reforms are having on improving learning for all students in urban schools.

ED 755: 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.

ED 762: 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.

ED 763: 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.

ED 764: 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.

ED 765: 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.

ED 766: 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.

ED 773: 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.

ED 777: 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.

ED 780: 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.

ED 785: 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.

ED 786: Technology Planning and Administration **3 cr.**

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.

ED 787: Professional Development for K-12 Technology Integration **3 cr.**

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.

ED 788: Advanced Telecommunications and Distance Education **3 cr.**

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.

ED 789: Educational Technology Research, Evaluation, and Assessment **3 cr.**

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.

ED 790: 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.

ED 795: 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.

EDUCATION STEM
(Science, Technology, Engineering, Math)

EDST 401: 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.

EDST 402: 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.

EDST 403: 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.

EDST 404: 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.

EDST 601: 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.

EDST 602: 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 of equivalent.

EDST 603: 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.

EDST 604: 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.

EDST 605: Integrating STEM into Practice **3 cr.**

This course will provide an interdisciplinary approach to integrating STEM into practice across the disciplines. The course will involve the participation in problem-based and project-based learning activities, mathematics and science inquiries learning tasks, and using technology to gain and display information. Students will practice backwards design to develop their own STEM learning activity. Graduate students will implement their activity in a classroom and monitor student-learning outcomes.

EDUCATIONAL LEADERSHIP

EDL 700: 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.

EDL 701: 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.

EDL 702: 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 statues. 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.

EDL 707: 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.

EDL 710: 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.

EDL 711: Funding Public Education **3 cr.**

The study of problems and issues related to the appropriation and allocation of public financial resources for education.

EDL 712: 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.

EDL 713: Mobilizing the Community **3 cr.**

The study of concepts and practices for developing and maintaining informed involvement of communities with public schools.

EDL 715: Internship in Educational Leadership **3 cr.**

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 or other approved leader and a University faculty member. A minimum of 240 hours of field experience will be required for this course.

EDL 716: Internship in Educational Leadership **1 cr.**

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 or other approved leader and a University faculty member. May be repeated for up to four credit hours.

EDL 740: 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.

EDL 790: 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

ENG 245: Static **3 cr.**

Prerequisite: MATH 222. Vectorial treatment of resultants and equilibrium of force systems, centroids and centers of gravity, fluid statics, friction. Three hours of lecture.

ENGLISH

ENGL 100: 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.

ENGL 105: 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: CENL 1013/English Composition I]

ENGL 105L: English Composition Practicum **1 cr.**

Prerequisites: Department permission and concurrent enrollment in ENGL 105. A supplementary review of instruction in exposition, argumentation, and library research in ENGL 105. This review builds upon the assignments in ENGL 105 to emphasize and enhance writing strategies and critical reading skills. Two hours laboratory instruction. Grading is on a pass/no credit basis.

ENGL 115: English Composition II* **3 cr.**

Prerequisite: ENGL 105. A writing course that further develops the writing, research, and critical reading skills acquired in ENGL 105. Emphasizes the analysis and interpretation of literature. Three hours of lecture. [LCCN: CENL 1023/English Composition II]

ENGL 115H: Honors English Composition II* **3 cr.**

Prerequisite: ENGL 105 and consent of the department. A section of ENGL 115 open to students who have tested out of or performed exceptionally well in ENGL 105. Offers reading and writing assignments enriched for accelerated learning. Three hours of lecture.

ENGL 200: Introduction to Literary Studies **3 cr.**

Prerequisite: ENGL 115. 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.

ENGL 205: Survey of British Literature I* **3 cr.**

Prerequisite: ENGL 115. 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: CENL 2103/British Literature I]

ENGL 206: Survey of British Literature II* **3 cr.**

Prerequisite: ENGL 115. 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: CENL 2113/British Literature II]

ENGL 210: Introduction to American Literature* **3 cr.**

Prerequisite: ENGL 115. 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: CENL 2173/Major American Writers]

ENGL 215: Introduction to Fiction* **3 cr.**

Prerequisite: ENGL 115. 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: CENL 2303/Introduction to Fiction]

ENGL 220: Introduction to Poetry and Drama* **3 cr.**

Prerequisite: ENGL 115. 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: CENL 2313/Introduction to Poetry and/or Drama]

ENGL 225: Tutoring Writing **1 cr.**

Prerequisites: ENGL 105 and ENGL 115 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.

ENGL 226: Advanced Composition **3 cr.**

Prerequisite: ENGL 115. 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.

ENGL 228: 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.

ENGL 301: Introduction to Linguistics **3 cr.**

Prerequisite: ENGL 115. 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.

ENGL 315: Science Fiction and Fantasy Literature **3 cr.**

Prerequisite: ENGL 205, ENGL 210, ENGL 215, or ENGL 220. 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.

ENGL 321: Literature of the Old Testament **3 cr.**

Prerequisite: ENGL 205, ENGL 210, ENGL 215, or ENGL 220. 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.

ENGL 322 Literature of the New Testament **3 cr.**

Prerequisite: ENGL 205, ENGL 210, ENGL 215, or ENGL 220. Interpretation of New Testament literature through rhetorical criticism and study of the influence of Classical Rhetoric on New Testament thought. Three hours of lecture.

ENGL 325: Technical Writing **3 cr.**

Prerequisite: ENGL 115. 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.

ENGL 326: Writing in the Humanities **3 cr.**

Prerequisite: ENGL 115. A specialized writing course for students in the humanities, including the arts and social sciences. Emphasizes analysis, explication, and evaluation. Three hours of lecture.

ENGL 340: Introduction to Screenwriting **3 cr.**

Prerequisite: ENGL 115. 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 FILM 340.

ENGL 390: 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.

ENGL 400: 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.

ENGL 405: 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.

ENGL 406: 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.

ENGL 407: 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.

ENGL 408: 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.

ENGL 409: 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.

ENGL 410: 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.

ENGL 412: 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 FILM 412.

ENGL 420: 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.

ENGL 425: 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.

ENGL 426: Narrative Structures in Multiple Media **3 cr.**

Prerequisite: ENGL 302. An exploration of various narrative structures from Classical epic to computer games and graphic novels. Three hours of lecture/lab.

ENGL 428: Writing Fiction and Poetry II **3 cr.**

Prerequisite: ENGL 228 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.

ENGL 430: 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.

ENGL 435: 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 Brontes, Eliot, and Hardy. Three hours of lecture.

ENGL 440: 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.

ENGL 450: 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.

ENGL 455: 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.

ENGL 460: 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.

ENGL 465: 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.

ENGL 470: 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.

ENGL 471: 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.

ENGL 475: 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.

ENGL 478: 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.

ENGL 479: African American Literature **3 cr.**

Prerequisite: Completion of sophomore English requirement. A study of developments in African American literature, with an emphasis on historical and cultural backgrounds. Emphasizes such writers as Wheatley, Harper, Walker, Douglass, Washington, Dunbar, Chesnutt, Du Bois, Hughes, McKay, Toomer, Larsen, Hurston, Wright, Ellison, Brooks, Angelou, Baldwin, Giovanni, and Morrison. Three hours of lecture.

ENGL 480: 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

ENGL 485: 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.

ENGL 489: 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.

ENGL 490: 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.

ENGL 495: 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.

ENGL 499: Writing Internship **3 cr.**

Prerequisites: 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. May involve on-campus appointment or 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. May be repeated for a maximum of six credit hours.

ENGL 600: 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.

ENGL 605: 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.

ENGL 606: 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.

ENGL 607: 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.

ENGL 608: 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.

ENGL 609: 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.

ENGL 610: 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.

ENGL 612: 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.

ENGL 620: 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.

ENGL 625: 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.

ENGL 628: 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.

ENGL 630: 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.

ENGL 635: 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.

ENGL 640: 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.

ENGL 650: 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.

ENGL 655: 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.

ENGL 660: 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.

ENGL 665: 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.

ENGL 670: 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.

ENGL 671: 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.

ENGL 675: 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.

ENGL 678: 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.

ENGL 679: African American Literature **3 cr.**

A study of developments in African American literature, paying particular attention to the historical and cultural context out of which such literature emerges. Examines such writers as Wheatley, Harper, Walker, Douglass, Washington, Dunbar, Chesnutt, Du Bois, Hughes, McKay, Toomer, Larsen, Hurston, Wright, Ellison, Brooks, Angelou, Baldwin, Giovanni, and Morrison. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentation. Three hours of lecture.

ENGL 680: 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.

ENGL 685: 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 Gilgamish, 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.

ENGL 690: 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.

ENGL 695: 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.

ENGL 699: Writing Internship **3 cr.**

Prerequisites: Consent of the department. A writing course offering professional writing experience. May involve on-campus appointment or 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. May be repeated for a maximum of six credit hours.

ENGL 711: 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.

ENGL 720: 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.

ENGL 721: 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.

ENGL 790: 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.

ENGL 791: 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

ESL 401: 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.

ESL 402: 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.

ESL 403: 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.

ESL 404: 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.

ESL 601: 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.

ESL 602: 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.

ESL 603: 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.

ESL 604: 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 assess advanced critical thinking skills through scholarly reading and written analysis. Three hours of lecture.

ESL 700: 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

ENSC 101: 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: CEVS 1103/Environmental Science]

ENSC 200: Introductory GIS and Cartography* **3 cr.**

A study of the fundamentals, scope, practice, and application of geographic information systems. The course will emphasize the collection and analysis of GIS data, followed by the production of a variety of maps. The course is

suitable for students from a wide range of disciplines including history, environmental science, engineering, geography, agriculture, economics, politics, and military studies. Three hours of lecture and lab.

ENSC 201: GPS and Navigation **3 cr.**

An introductory course covering the basics of GPS technology, including the three core segments of any Global Navigation Satellite System: the space segment, the control segment, and the user segment. Students will conduct a field study to learn processes of data collection, spatial analysis, and mapping. Three hours of lecture.

ENSC 210: Introductory Remote Sensing **3 cr.**

An introduction to the theory and practice of remote sensing technology. Students will learn the basics of using remote sensing software to analyze satellite images, aerial photographs, and laser data. The emphasis will be on data characterization, image ground interpretation, common digital image processing methodology, and information extraction methods used in natural resource and environmental studies. Three hours of lecture.

ENSC 300: Intermediate GIS **3 cr.**

Prerequisite: ENSC 200. An intermediate level GIS course based on ESRI's ArcGIS. Students will explore scale, projections, coordinate systems, layout styles, data creation and editing, database concepts, such as file or enterprise geodatabases, attribute table query, basic spatial analysis, such as buffering, spatial query, georeferencing, geocoding, topology, and metadata. Students will be able to created their own maps of any kind, create and manage geospatial databases, and learn how to use spatial analysis tools for real world decision-making. Three hours of lecture.

ENSC 320: Basic Hydrogeology **3 cr.**

Prerequisite: GEOL 105. 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 GEOL 320.

ENSC 330: Geomorphology **3 cr.**

Prerequisite: GEOL 105. 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 GEOL 330.

ENSC 411: Industrial Hygiene and Safety **3 cr.**

Prerequisite: BIOS 345 or BIOS 387, CHEM 255L, PHYS 252, 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.

ENSC 420: Paleoanalysis: Lakes and Environmental Change **3 cr.**

Prerequisite: GEOL 105. 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 GEOL 420.

ENSC 421: Environmental Analysis **3 cr.**

Prerequisites: BIOS 440, CHEM 259, CHEM 266, 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.

ENSC 430: Hydrogeology – Water Resources **3 cr.**

Prerequisite: GEOL 105. 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.

ENSC 441: Environmental Compliance **3 cr.**

Prerequisite: CHEM 266 or consent of the department. Basic provisions and compliance requirements of federal and state environmental regulations. Three hours of lecture.

ENSC 490: 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.

ENSC 491: 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.

ENSC 495: 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.

ENSC 611: 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.

ENSC 621: 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.

ENSC 641: 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.

ENSC 690: 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.

ENSC 705: 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.

ENSC 725: Air Quality **3 cr.**

Nature and composition of the atmosphere. Description of atmospheric pollution and atmospheric environmental issues, atmospheric monitoring. Three hours of lecture.

ENSC 727: 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.

ENSC 729: 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.

ENSC 741: 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.

ENSC 747: 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.

ENSC 790: 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.

ENSC 795: Independent Study in Environmental Science **3 cr.**

Independent study in Environmental Science. An independent project or study directed by an assigned faculty member.

ENSC 798: 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.

ENSC 799: 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

EULT 792: 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 FREN 792, GERM 792, and SPAN 792.

FILM

FILM 110: 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.

FILM 120: 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 MCOM 120.

FILM 290: Studies in Film **3 cr.**

Prerequisite: FILM 120. 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.

FILM 340: Introduction to Screenwriting **3 cr.**

Prerequisites: FILM 120 and ENGL 115. 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 ENGL 340.

FILM 385: American Cinema **3 cr.**

Prerequisites: MCOM 115 and FILM 120. 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 MCOM 385.

FILM 404: Spanish Cinema **3 cr.**

Prerequisites: FILM 120 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 Énrice, 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 SPAN 404.

FILM 405: Latin American Cinema **3 cr.**

Prerequisites: FILM 120 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 SPAN 405.

FILM 412: Shakespeare and Film **3 cr.**

Prerequisites: FILM 120 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 ENGL 412.

FILM 470: 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 THEA 470. Three hours of lecture.

FILM 473: 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 THEA 473. Three hours of lecture.

FILM 481: Politics in the Cinema **3 cr.**

Prerequisite: POLI 151. 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 POLI 481.

FILM 490: Study in Film **3 cr.**

Prerequisites: FILM 120 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

FIN 231: 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.

FIN 301: Managerial Finance **3 cr.**

Prerequisites: ECON 201 and ACCT 205 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.

FIN 320: 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.

FIN 322: 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.

FIN 324: 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 BLAW 324.

FIN 326: 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.

FIN 331: Introduction to Investments **3 cr.**

Prerequisite: FIN 231, consent of the department, or FIN 301. 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.

FIN 340: 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.

FIN 400: Investment **3 cr.**

Prerequisite: FIN 301 with a grade of C or better. The study of Modern Portfolio Theory, Capital Market Theory, and Security Valuation. Three hours of lecture.

FIN 410: Advanced Business Finance **3 cr.**

Prerequisite: FIN 301 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.

FIN 420: Financial Services Management **3 cr.**

Prerequisite: ECON 310 or FIN 301. 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.

FIN 440: International Finance **3 cr.**

Prerequisite: FIN 301 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.

FIN 442: 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 FIN 642.

FIN 450: Real Estate Investment and Taxation **3 cr.**

Prerequisite: FIN 340 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.

FIN 475: 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.

FIN 480: Financial Planning Capstone **3 cr.**

Prerequisites: FIN 400. This course is a capstone course in financial planning designed to prepare students for industry standards. Three hours of lecture.

FIN 490: 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.

FIN 495: 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.

FIN 500: Fundamentals of Finance **1 cr.**

An introduction to the foundations of finance. Grading will be on a pass/fail basis.

FIN 642: 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.

FIN 650: 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.

FIN 701: Financial Management **3 cr.**

The study and application of advanced financial knowledge for managerial decision-making.

FIN 710: Contemporary Investments **3 cr.**

Investment strategies on bonds, equities, and financial derivatives in both domestic and global environments.

FIN 720: 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.

FIN 730: 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.

FIN 740: Financial Analytics **3 cr.**

This course introduces modern analytical tools to solve practical problems in finance, using R. The goal is to bridge the gap between finance theories and practice by taking various financial models to the data and using them to aid financial decision-making. The topics include: (1) financial time series analysis, (2) forecasting, (3) portfolio optimization, (4) fixed income securities, (5) derivatives pricing, (6) credit risk models, and (7) quantitative risk management.

FINE ARTS

FA 100: Basic Drawing **3 cr.**

An introduction to materials and techniques of basic drawing. One hour of lecture and three hours of lab. [LCCN: CART 2203/Beginning Drawing]

FA 110: 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.

FA 115: 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.

FA 140: 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: CART 1023/Introduction to Visual Arts]

FA 180: 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: CART 2303/Color Theory]

FA 200: Intermediate Drawing **3 cr.**

Prerequisite: FA 100. 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: CART 2213/Figure Drawing]

FA 221: 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.

FA 240: 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: CART 2103/Art History I]

FA 241: 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: CART 2113/Art History II]

FA 270: Basic Sculpture **3 cr.**

Prerequisite: FA 150 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.

FA 283: Acrylic Painting I **3 cr.**

Prerequisites: FA 100, FA 150, and FA 180, 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.

FA 285: Watercolor I **3 cr.**

Prerequisites: FA 100, FA 150, and FA 180, 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.

FA 300: Advanced Drawing **3 cr.**

Prerequisite: FA 200 or consent of the department. Directed use of various drawing materials to express visual forms. One hour of lecture and three hours of lab.

FA 302: Portrait Study **3 cr.**

Prerequisite: FA 200 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.

FA 356: Advanced Digital Photography/Understanding Light **3 cr.**

Prerequisite: DA 255 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.

FA 369: Mixed Media **3 cr.**

Prerequisite: DA 250 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.

FA 370: Intermediate Sculpture **3 cr.**

Prerequisite: FA 270. Continuation of the development of three-dimensional sculpture. Projects using appropriate material and processes. Emphasis on the subfractive approach. Lectures, slides, film, and outside reading. One hour of lecture and three hours of lab.

FA 383: Acrylic Painting II **3 cr.**

Prerequisite: FA 283 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.

FA 385: Watercolor II **3 cr.**

Prerequisite: FA 285 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.

FA 398: 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.

FA 433: 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.

FA 435: 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.

FA 437: 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.

FA 440: 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.

FA 441: 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.

FA 470: Advanced Sculpture **3 cr.**

Prerequisite: FA 370. The problems of sculptural form as expressed in a variety of materials. One hour of lecture and three hours of lab.

FA 489: 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.

FA 640: 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.

FA 641: 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.

FA 690: 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.

FA 695: 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.

FA 790: 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

FL 101: 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.

FL 102: Foreign Language II **3 cr.**

Prerequisite: FL 101 or consent of the department. A continuation of FL 101 with continued emphasis on the aural-oral aspects of the language. Continuation of elementary reading selections and writing assignments. Three hours of lecture.

FL 201: Foreign Language III **3 cr.**

Prerequisite: FL 102 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.

FL 295: 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.

FL 495: 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 FREN 101, FREN 102, FREN 201, or FREN 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: FREN 101, FREN 102, and FREN 201 must be taken in sequence. FREN 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.

FREN 101: 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: CFRN 1013/Elementary French I]

FREN 102: Elementary French II **3 cr.**

Prerequisite: FREN 101 or advanced standing placement. A continuation of FREN 101 with continued emphasis on the aural-oral aspects of the language. Continuation of elementary reading selections. Three hours of lecture. [LCCN: CFRN 1023/Elementary French II]

FREN 201: Intermediate French **3 cr.**

Prerequisite: FREN 102 or advanced standing placement. Continued reading and oral work, vocabulary building, and review of the basic principles of grammar. Three hours of lecture. [LCCN: CFRN 2013/Intermediate French I]

FREN 205: Readings in French **3 cr.**

Prerequisite: FREN 201 or advanced standing placement. 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: CFRN 2023/Intermediate French II]

FREN 292: 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.

FREN 301: French Phonetics and Oral Practice **3 cr.**

Prerequisite: FREN 201 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.

FREN 302: Advanced French Conversation **3 cr.**

Prerequisite: FREN 201 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.

FREN 303: Business French **3 cr.**

Prerequisite: FREN 201 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.

FREN 304: Advanced French Grammar and Composition **3 cr.**

Prerequisite: FREN 201 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.

FREN 316: French Culture and Civilization **3 cr.**

Prerequisite: FREN 201 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.

FREN 331: 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.

FREN 332: 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 espirit philosophique. The theatre of Corneille, Moliere, and Racine, and the philosophical works of Descartes, Pascal, Montesquieu, Voltaire, Diderot, and Rousseau. Three hours of lecture.

FREN 333: 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.

FREN 334: 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 Sarraufe. Three hours of lecture.

FREN 390: Special Topics in French **3 cr.**

Prerequisite: FREN 201 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.

FREN 392: 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 FREN 292 except, at LSUS, credit is restricted to coursework considered advanced. In some cases, tuition will need to be paid at a foreign university.

FREN 402: 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.

FREN 403: 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.

FREN 404: 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.

FREN 490: 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.

FREN 495: 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.

FREN 602: 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.

FREN 603: 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.

FREN 604: 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.

FREN 690: 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.

FREN 695: 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.

FREN 790: 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.

FREN 792: 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 EULT 792.

FRESHMAN SEMINAR

FS 101: Learning Strategies for College Success – Business Students **3 cr.**

FS 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.

FS 102: Learning Strategies for College Success – Education and Human Development Students **3 cr.**

FS 102 is an introductory, collaborative course that includes interdisciplinary project-based learning and is designed to welcome new students, foster academic success through teaching independent learning and motivational strategies, help discover and connect with the University, and promote personal and community development. Three hours of seminar.

FS 103: Learning Strategies for College Success – Liberal Arts Students **3 cr.**

FS 103 is an introductory, collaborative course that includes interdisciplinary project-based learning and is designed to welcome new students, foster academic success through teaching independent learning and motivational strategies, help discover and connect with the University, and promote personal and community development. Three hours of seminar.

FS 104: Learning Strategies for College Success in Mathematics and Science **3 cr.**

FS 104 is an introductory, collaborative course that includes interdisciplinary project-based learning and is designed to welcome new students, foster academic success through teaching independent learning and motivational strategies, help discover and connect with the University, and promote personal and community development. Three hours of seminar.

GENERAL STUDIES

GS 491: 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

GEOG 105: 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.

GEOG 106: 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.

GEOG 251: Physical Geography* **3 cr.**

The fundamentals of the natural landscape with emphasis on worldwide distribution. Three hours of lecture.

GEOG 252: 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.

GEOG 257: Maps and Mapping **3 cr.**

An introduction to maps, map use, and modern computer-aided mapping. Three hours of lecture.

GEOG 406: Geographic Profiling **3 cr.**

Prerequisite: CJ 107 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 CJ 406.

GEOG 450: 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.

GEOG 490: Seminar **3 cr.**

Prerequisite: GEOG 251, GEOG 252, 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.

GEOG 495: Independent Studies **3 cr.**

Prerequisite: GEOG 251, GEOG 252, 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.

GEOG 650: 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.

GEOG 690: 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.

GEOG 695: Independent Studies **3 cr.**

Prerequisite: GEOG 251, GEOG 252, 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

GEOL 105: 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: CGEO 1103/Physical Geology]

GEOL 105L: Introduction to Geology Lab **1 cr.**

Prerequisite: Credit or concurrent enrollment in GEOL 105. Laboratory related to GEOL 105. 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.

GEOL 106: Petroleum Geology* **3 cr.**

Prerequisite: GEOL 105 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.

GEOL 205: Environmental Geology* **3 cr.**

Prerequisite: GEOL 105. 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.

GEOL 320: Basic Hydrogeology **3 cr.**

Prerequisite: GEOL 105. 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 ENSC 320.

GEOL 330: Geomorphology **3 cr.**

Prerequisite: GEOL 105. 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 ENSC 330.

GEOL 420: Paleoanalysis: Lakes and Environmental Change **3 cr.**

Prerequisite: GEOL 105. 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 ENSC 420.

GERMAN

The native of a country where German is the current and official language may not enroll for credit in GERM 101, GERM 102, GERM 201 or GERM 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.

GERM 101: 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.

GERM 102: Elementary German II **3 cr.**

Prerequisite: GERM 101 or advanced standing placement. A continuation of GERM 101 with continued emphasis on the aural-oral aspects of the language. Continuation of elementary reading selections. Three hours of lecture.

GERM 201: Intermediate German **3 cr.**

Prerequisite: GERM 102 or advanced standing placement. A systematic review of grammar with continued oral work, vocabulary building, and reading of German prose. Three hours of lecture.

GERM 202: German Conversation **2 cr.**

Prerequisite: GERM 102 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.

GERM 205: Intermediate Readings in German Literature **3 cr.**

Prerequisite: GERM 102 or advanced standing placement. A survey of modern German short stories and one short novel by a contemporary author. Three hours of lecture.

GERM 292: 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.

GERM 304: Advanced German Grammar and Composition **3 cr.**

Prerequisite: GERM 201 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.

GERM 307: 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.

GERM 309: 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.

GERM 332: 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.

GERM 392: 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 GERM 292 except that LSUS credit is restricted to coursework considered advanced. In some cases, tuition will need to be paid at a foreign university.

GERM 495: 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.

GERM 695: 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.

GERM 790: 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.

GERM 792: 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 EULT 792.

Service Courses

HPE 100: 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.

HPE 101: 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.

HPE 102: Intermediate Archery **1 cr.**

Prerequisite: HPE 101. 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.

HPE 103: 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.

HPE 104: 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.

HPE 105: 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.

HPE 106: 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.

HPE 107: Golf **1 cr.**

Basic skills, rules, and etiquette for the beginner. May be repeated for credit up to three times. Three hours of lab.

HPE 108: 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.

HPE 109: 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.

HPE 110: 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.

HPE 112: 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.

HPE 113: 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.

HPE 114: 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.

HPE 115: 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.

HPE 116: 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.

HPE 117: Intermediate Badminton **1 cr.**

Prerequisite: HPE 116. 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.

HPE 122: 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.

HPE 123: Intermediate Swimming **1 cr.**

Prerequisite: HPE 122 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.

HPE 125: 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.

HPE 128: 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.

HPE 130: 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.

HPE 133: Lifeguarding **1 cr.**

Prerequisite: HPE 123 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.

HPE 134: Water Safety Instruction **1 cr.**

Prerequisite: HPE 123 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.

HPE 135: 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.

HPE 136: Advanced Open Water Diver **1 cr.**

Prerequisite: HPE 135 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.

HPE 141: 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: CDNC 1013/Dance Appreciation]

HPE 143: 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.

HPE 144: 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.

HPE 150: Cross-Training **1 cr.**

Development of basic skills in cross-training and improvement of physical fitness. The cross-training will include both aerobic and anaerobic training including a variety of resistance training modes. Three hours of lab.

HPE 151: 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.

HPE 155: 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.

HPE 160: 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.

HPE 161: 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.

HPE 162: 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.

HPE 163: 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.

HPE 170: 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.

HPE 190: 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.

HEALTHCARE ADMINISTRATION

HCAD 701: Healthcare Organizational Behavior **3 cr.**

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.

HCAD 710: Healthcare Human Resource Management **3 cr.**

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.

HCAD 730: Healthcare Systems **3 cr.**

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.

HCAD 731: Healthcare Law and Ethics **3 cr.**

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. (Cross-listed with BLAW 730)

HCAD 740: Healthcare Marketing **3 cr.**

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.

HCAD 750: Healthcare Informatics **3 cr.**

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.

HCAD 760: Healthcare Finance **3 cr.**

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.

HCAD 770: Healthcare Economics **3 cr.**

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.

HCAD 780: Healthcare Policy **3 cr.**

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.

HCAD 790: Healthcare Strategic Management **3 cr.**

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.

HIGHER EDUCATION LEADERSHIP

HEDL 700: 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.

HEDL 710: 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.

HEDL 720: 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.

HEDL 762: 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.

HEDL 764: 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

HIST 105: 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, HIST 106 or HIST 107. Three hours of lecture. [LCCN: CHIS 1013/Western Civilization I]

HIST 106: 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: HIST 105, HIST 106, or HIST 107. Three hours of lecture [LCCN: CHIS 1023/Western Civilization II]

HIST 107: 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, HIST 106 or HIST 107. Three hours of lecture. [LCCN: CHIS 1023/Western Civilization II]

HIST 110: 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.

HIST 145: United States History to 1877* **3 cr.**

Survey of United States history from discovery to 1877. Three hours of lecture. [LCCN: CHIS 2013/American History I]

HIST 146: United States History since 1877* **3 cr.**

Survey of United States history from 1877 to the present. Three hours of lecture. [LCCN: CHIS 2023/American History II]

HIST 251: 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.

HIST 252: 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.

HIST 271: History of Louisiana **3 cr.**

General survey of the political, economic, social, and cultural development of Louisiana. Three hours of lecture. [LCCN: CHIS 2033/Louisiana History]

HIST 290: 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.

HIST 299: Sources and Methods in History **3 cr.**

Techniques of research and bibliographical aids. Three hours of seminar.

HIST 305: 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 PHIL 305.

HIST 306: 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 PHIL 306.

HIST 320: 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.

HIST 325: 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 RELS 325, which cannot be taken for credit in addition to this course.

HIST 326: 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 RELS 326, which cannot be taken for credit in addition to this course.

HIST 350: 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.

HIST 399: 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.

HIST 400: 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.

HIST 402: 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.

HIST 414: 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.

HIST 415: 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.

HIST 423: 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.

HIST 425: 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.

HIST 428: 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.

HIST 430: 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.

HIST 431: 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.

HIST 432: 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.

HIST 433: 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.

HIST 434: 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.

HIST 435: 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.

HIST 437: 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.

HIST 438: 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.

HIST 440: 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.

HIST 441: 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.

HIST 450: 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.

HIST 451: 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.

HIST 452: 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.

HIST 454: 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.

HIST 455: 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.

HIST 456: 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.

HIST 457: 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.

HIST 458: The Cold War **3 cr.**

A study of the Cold War with special emphasis on the United States. Three hours of lecture.

HIST 459: 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.

HIST 470: 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.

HIST 471: 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.

HIST 475: 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.

HIST 476: 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.

HIST 480: 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 SC 480.

HIST 490: 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.

HIST 495: 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.

HIST 499: Senior Seminar **3 cr.**

Prerequisite: HIST 299. This capstone course is an application of knowledge acquired from HIST 299. 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.

HIST 600: 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.

HIST 602: 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.

HIST 614: 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.

HIST 615: 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.

HIST 623: 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.

HIST 625: 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.

HIST 628: 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.

HIST 630: 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.

HIST 631: 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.

HIST 632: 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.

HIST 633: 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.

HIST 634: 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.

HIST 635: 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.

HIST 637: 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.

HIST 638: 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.

HIST 640: 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.

HIST 641: 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.

HIST 650: 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.

HIST 651: 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.

HIST 652: 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.

HIST 654: 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.

HIST 655: 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.

HIST 656: 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.

HIST 657: 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.

HIST 658: 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.

HIST 659: 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.

HIST 670: 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.

HIST 671: 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.

HIST 675: 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.

HIST 680: 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 SC 680.

HIST 690: 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.

HIST 695: 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.

HIST 706: 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.

HIST 711: 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.

HIST 712: 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.

HIST 713: 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.

HIST 790: 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

HONR 101: 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.

HONR 102: Honors Colloquium II **3 cr.**

Prerequisite: HONR 101. Interdisciplinary study with particular emphasis on multicultural writing, literature, and social issues. Fulfills the ENGL 115 general education requirement. Three hours of lecture.

HONR 201: Honors Colloquium III **3 cr.**

Prerequisite: HONR 102. Interdisciplinary study with particular emphasis on history and humanities in a current events setting. Fulfills a humanities general education requirement. Three hours of lecture.

HONR 202: Honors Colloquium IV **3 cr.**

Prerequisite: HONR 201. Seminar focusing on a special topic relative in a humanities discipline in a current events setting. Fulfills a humanities requirement. Three hours of lecture.

HONR 395: Junior Seminar **3 cr.**

Prerequisite: HONR 202. 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.

HONR 495: Senior Thesis **3 cr.**

Prerequisite: HONR 395. 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

HUM 198: 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.

HUM 490: 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.

HUM 690: 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

INDS 101: 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.

INDS 211: 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.

INDS 395: 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.

INDS 495: 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

ISDS 150: Business Information Technology **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.

ISDS 220: Computer Applications for Accounting **3 cr.**

Prerequisites: ACCT 205. 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.

ISDS 250: Technology Entrepreneurship **3 cr.**

An introductory course in the concepts and principles of entrepreneurship in the context of technological commercialization by small business.

ISDS 265: Statistical Concepts and Data Analysis **3 cr.**

Prerequisite: MATH 100+. 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.

ISDS 290: 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.

ISDS 350: 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.

ISDS 383: Production and Operations Management **3 cr.**

Prerequisite: ISDS 265. 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.

ISDS 410: Data Visualization for Business **3 cr.**

Techniques and software for creating data visualizations that inform business decisions. Emphasis will be placed on better understanding of best practices in using data models and data sets to create visualizations for business decision-making.

ISDS 415: Database Management Systems in Business **3 cr.**

Principles and practice of database management and database design in a business context. Topics include processing, storage, retrieval, manipulation, and management of a wide variety of business data types and functions. Three hours of lecture.

ISDS 420: Business Systems Analysis & Design **3 cr.**

Introduces students to the methods, tools, and techniques used to analyze and develop business information systems in organizations today. Three hours of lecture.

ISDS 430: Securing Business Data **3 cr.**

Techniques and software for securing financial, trade secret, customer, and other proprietary data from cyber and physical attacks. Three hours of lecture.

ISDS 490: Seminar in Information Systems/Decision Sciences **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.

ISDS 500: Fundamentals of Statistics **1 cr.**

An introduction to the foundations of applied statistics. Grading will be on a pass/fail basis.

ISDS 702: 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.

ISDS 705: 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.

ISDS 710: Data-Driven Decision Making **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.

ISDS 715: 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.

ISDS 720: Process Improvement **3 cr.**

This course explores process improvement – a critical need for creating and maintaining a sustainable organization. Emphasis for this course is placed on Six Sigma, an improvement methodology leveraged by different types of organizations.

ISDS 725: Visualization of Data for Business **3 cr.**

Application of data visualization tools to communicate complex data for business decision-making.

ISDS 730: Lean Transformation **3 cr.**

This course explores lean transformation, an improvement methodology designed for creating and maintaining a sustainable organization. All types of organizations, including financial, healthcare, governmental, logistics, and manufacturing are committed to this improvement program. This course will provide you the knowledge and hands-on experience with the tools used for lean transformations.

INNOVATIVE DESIGN EDUCATION IN ACTION

IDEA 101: Introduction to Creative Thinking **3 cr.**

Introduction to the tools, techniques, and processes involved with creatively investigating, developing, and expressing ideas.

INTERNATIONAL STUDIES

INTL 250: 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.

INTL 490: Seminar in Comparative Cultures **3 cr.**

Prerequisite: INTL 250 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

KHS 201: Medical Terminology **3 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. Three hours of lecture.

KHS 215: 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.

KHS 225: 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.

KHS 226: 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.

KHS 230: Research, Measurement, and Evaluation in Health, Exercise, and Sport Science **3 cr.**

An introduction to the principles of designing, implementing, and evaluating research in Health, Exercise, and Sport Science. Three hours of lecture.

KHS 235: Human Nutrition **3 cr.**

An introduction to human nutrition and its contribution to optimum health. Three hours of lecture.

KHS 240: 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.

KHS 250: Foundational Principles of Kinesiology **3 cr.**

An applied course, emphasizing basic human physiology and the gross anatomy of human movement. Two hours of lecture and three hours of lab.

KHS 281: Personal Health **3 cr.**

This course focuses on the biological basis of human diseases and disorders from a public health perspective. Personal health, health-related attitudes and beliefs, and individual health behaviors are addressed from a change perspective.

KHS 308: 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.

KHS 310: Environmental Health **3 cr.**

Study of environmental health problems and methods of preventing and alleviating them. Three hours of lecture.

KHS 311: 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.

KHS 312: 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.

KHS 313: 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.

KHS 315: Drug and Sexuality Education **3 cr.**

Prerequisite: KHS 281 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.

KHS 323: 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.

KHS 325: Biomechanics **3 cr.**

Prerequisite: BIOS 285. The study of physics principles as they govern human movement, as well as understanding how the neuromuscular system controls human movement. Additional emphasis is placed on the mechanical principles that underlie musculoskeletal injury. Three hours of lecture.

KHS 325L: Biomechanics Laboratory **1 cr.**

Prerequisite: Credit or registration in KHS 325. 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.

KHS 326: Anatomical Kinesiology **3 cr.**

Prerequisite: BIOS 285. This is an applied course which will place emphasis on integrating gross anatomy elements of osteology and mycology with human movement. Two hours of lecture and two hours of lab.

KHS 327: Strength and Conditioning I **3 cr.**

Covers evidence-based exercise techniques for strength and conditioning training. Three hours of lecture.

KHS 329: 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.

KHS 333: Teaching Strategies in Health **3 cr.**

Prerequisites: KHS 215 and KHS 281. For the Community Health majors. Information and techniques for teaching health in community and school settings. Three hours of lecture.

KHS 334: 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.

KHS 335: Advocacy and Community Engagement **3 cr.**

This course examines the theories and skills necessary for effective community health educators. Emphasis is placed on advocacy, coalition building, grant writing and fund raising, and community assessment. Three hours of lecture.

KHS 336: 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.

KHS 338: Worksite Health Promotion **3 cr.**

Prerequisite: KHS 334. 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.

KHS 340: Motor Behavior **3 cr.**

Prerequisites: BIOS 284 and BIOS 285. 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.

KHS 360: 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.

KHS 390: 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.

KHS 401: Health Risk Appraisal **1 cr.**

An overview of health risk assessments and stratification methods as part of a wellness plan to improve and manage health. One hour of lecture.

KHS 405: Epidemiology **3 cr.**

A study of epidemics, epidemic diseases, and the principles and methods of epidemiology. Three hours of lecture.

KHS 410: Program Planning and Evaluation **3 cr.**

A comprehensive study and application of the processes health education specialists utilize in the design, implementation, and evaluation of programs. Supervised project in the community. Three hours of lecture.

KHS 411: Program Evaluation **3 cr.**

Prerequisite: KHS 410. 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.

KHS 425: Physiology of Exercise **3 cr.**

A presentation of biological concepts necessary for student understanding of the mechanisms of exercise and physical training. Three hours of lecture.

KHS 425L: Physiology of Exercise Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in KHS 425. A presentation of physiological concepts necessary for student understanding of the mechanisms of laboratory study of exercise and physical training. This course is designed to correlate with and supplement KHS 425. Three hours of lab.

KHS 427: Strength Training and Conditioning II **3 cr.**

Prerequisite: KHS 327. Covers evidence-based program design for strength and conditioning training. Three hours of lecture.

KHS 430: Introduction to Adaptive Physical Education **3 cr.**

A fundamental course in adaptive physical education programs for special children. Three hours of lecture.

KHS 440: Prevention and Treatment of Athletic Injuries **3 cr.**

Prerequisite: KHS 215. 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.

KHS 450: 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.

KHS 455: 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 WMST 455.

KHS 460: Exercise Testing and Prescription **3 cr.**

Prerequisite: KHS 425. This course practically applies adulate exercise physiology theory. Includes exercise testing and prescription for healthy populations and special consideration each as children, older adults, pregnancy, diseased population. Two hours of lecture and three hours of lab.

KHS 461: Special Populations Exercise Prescription **3 cr.**

Prerequisite: KHS 425. The study and application of exercise testing and prescription for individuals in specific life stages, individuals in special populations, and individuals with a range of pathophysiological conditions. Three hours of lecture.

KHS 462: Applied Practice Experience **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.

KHS 490: 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.

KHS 491: 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.

KHS 495: 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.

KHS 496: Sports Performance Training **1 cr.**

Teaches the student 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 one hour of lab.

KHS 497: Sports Performance Planning **3 cr.**

Prerequisites: KHS 327 and KHS 427. Develop an annual strength and conditioning training plan for a specific sport based on scientific principles. One hour of lecture.

KHS 610: 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.

KHS 623: 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.

KHS 625: 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.

KHS 630: 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.

KHS 635: 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.

KHS 640: 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.

KHS 655: 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 WMST 655.

KHS 660: 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.

KHS 662: Practicum **3 cr.**

Prerequisites: KHS 660 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

KHS 690: 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.

KHS 696: 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.

KHS 700: 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.

KHS 701: 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.

KHS 706: 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.

KHS 722: 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.

KHS 723: 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.

KHS 725: Applied Exercise Physiology **3 cr.**

Prerequisite: KHS 625. 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.

KHS 730: 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.

KHS 732: Curriculum Approaches in Pedagogy for Adapted Physical Education **3 cr.**

Prerequisite: Credit or registration in KHS 630. 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.

KHS 733: Chronic Disability and Physical Education **3 cr.**

Prerequisite: KHS 732. 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.

KHS 734: Behavioral and Educational Challenges for Adapted Physical Education: Methods, Materials, and Practicum **3 cr.**

Prerequisite: KHS 732. 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.

KHS 740: 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.

KHS 741: 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.

KHS 742: 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.

KHS 750: 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.

KHS 798: Master's Final Project **3 cr.**

Prerequisites: KHS 701 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.

KHS 799: 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

LDSH 101: 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.

LDSH 202: Communication for Leaders **3 cr.**

This course introduces students to the multifaceted communication dynamics for leaders in modern organizations. Critical perspectives related to communication theories, models, and processes will be explored through the lens of applications and case studies. Three undergraduate hours of lecture or equivalent.

LDSH 290: 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.

LDSH 301: Literature of Leadership **3 cr.**

Prerequisites: COMM 135, ENGL 115, and LDSH 201. 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.

LDSH 303: Leadership Theory and Practice **3 cr.**

A course on leadership theory through experimental hands-on practical application of leadership skills. Three hours of lecture.

LDSH 404: Leadership Capstone **3 cr.**

Prerequisites: LDSH 101, LDSH 202, and LDSH 303. 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.

LDSH 490: 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.

LDSH 405: 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.

LDSH 701: Leadership Theory and Practice **3 cr.**

This course provides an overview of the planning and conducting of research in social sciences. Primary focus of the course will be in on the fundamentals of statistics, research design, and data analysis. Three graduate hours of lecture or equivalent.

LDSH 702: Introduction to Research and Statistics **3 cr.**

This course provides an introduction of the planning and conducting of research in social sciences. Primary focus of the course will be laying the foundations in the fundamentals of statistics, research design, and data analysis. Three graduate hours of lecture or equivalent.

LDSH 703: Trends in Diversity and Globalization **3 cr.**

This course examines team development through leadership in a diverse environment. Students learn how to construct effective team development strategies and the role that leaders play in successful outcomes. Students examine the role of culture in organizations in behavior, group effectiveness, and learning curves within organizations. Globalization and international environments are also explored. Three graduate hours of lecture or equivalent.

LDSH 704: Strategic Negotiation **3 cr.**

This course explores and examines different types of negotiation from strategic points of view. Students will analyze and determine the best strategy of negotiation based upon what outcome is required from the negotiation. Three graduate hours of lecture or equivalent.

LDSH 705: Foundations in Culture, Climate, and Change Leadership **3 cr.**

Roles and responsibilities of leaders as change agents within organizations and building a foundation of knowledge. Topics include the fundamentals of change: principles, practices, processes, and resistance strategies; theory, history, characteristics, nature levels, and dimensions of culture and climate; introductions to types and

models of change; and planning professional development to support change. Three graduate hours of lecture or equivalent.

LDSH 706: Strategic Leadership **3 cr.**

This course examines vision as the critical point in leadership studies. Strategic leadership is examined as the alignment of the organization with its environment in terms of mission orientation. Contemporary issues are derived from the examination of current leadership and leaders. Three graduate hours of lecture or equivalent.

LDSH 712: Communication for Leaders **3 cr.**

This course explores the various aspects of communication that a leader is expected to uphold. Students will examine the responsibility of a leader in regards to how they communicate with peers, the community, other organizations, politicians, and within their department. Three graduate hours of lecture or equivalent.

LDSH 713: Organizational Theory and Behavior **3 cr.**

An overview of traditional and modern organizational theories and organizational behavior. Foundational knowledge will be built around the theories and behaviors that shape modern and ever evolving organizations. Topics will include changes in technology, communication, leadership, public and internal behaviors, as well as analysis of major issues. Three graduate hours of lecture or equivalent.

LDSH 714: Political Behavior **3 cr.**

This course has the purpose of introducing political psychology and topics such as political attitudes, political personality, and role of media, social identity, and the role of emotions, psychology of race, ethnic conflict, political leadership, terrorism, and conflict resolution. Moreover, the purpose of this course is to explore issues related to public opinion, including what opinions are and how they are formed, what factors do and do not influence opinion development and change, how opinions drive citizens' political thinking and behavior, and what implications these psychological processes have for the role of public opinions in democratic government. Three graduate hours of lecture or equivalent.

LDSH 715: Foundations in Human Resource Development **3 cr.**

This course lays the foundations for Human Resource Development (HRD) as a specific field which studies learning, development and behavior of humans in social systems. These systems include workforce development, education, and family. Research concentrations from Management Science, Education, Psychology, and Sociology strengthen HRD theory and practice. A primary focus of this course is to lay foundational knowledge for research applied performance management informed by human sciences research as a tool that can be applied to productivity. Three graduate hours of lecture or equivalent.

LDSH 726: Profiling Leaders **3 cr.**

The focus of this course is the examination and application of operational code analysis to profile political leaders from divergent societies. Operational code analysis (OCA) is a fairly static conceptualization used to build indexes of philosophical and instrumental beliefs to create a continuum measuring mainly cooperation and conflict behavior. Students will also be introduced how to use other indicators of OCA such as leader's risk orientation, belief in role of chance, predictability of the future, use of strategies and tactics like oppose, appeal, threat, reward, and punish. Three graduate hours of lecture or equivalent.

LDSH 730: Ethics in Crisis Leadership **3 cr.**

This course will examine ethics in the context of local to global crises. Topics will include examining ethical leadership in situations such as mass natural disasters, war, civil unrest, geo-political conflict, and upheaval. Three graduate hours of lecture or equivalent.

LDSH 731: Crises Communication for Leaders **3 cr.**

This course explores the communication roles of a crises leader, as well as how to communicate effectively in a variety of crisis situations. Students will analyze traditional communication and new communication utilized by leaders during crises, as well as learn strategies for identifying problems, crises, goals, and the community to better understand how to properly communicate to their community during a crises event. Three graduate hours of lecture or equivalent.

LDSH 732: Homeland Security Leadership **3 cr.**

This course explores and examines the many moving pieces of Homeland Security. Students will examine and analyze the different roles and responsibilities that leadership holds in the specific framework of Homeland Security.

LDSH 733: Emergency Response and Crisis Leadership **3 cr.**

This course will take a look at the moving pieces in emergency response. The leader's role will be outlined as well as how to mitigate, prepare, respond, and recover before, during, and after an emergency. Focus will be placed on planning, frameworks, actors/people involved, and different emergencies. Three graduate hours of lecture or equivalent.

LDSH 800: 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.

LDSH 801: Seminar in Leadership Theory and Practice II **3 cr.**

This course provides an overview of quantitative research methods in Leadership Theory and Practice related to key works in leadership studies. Primary focus of the course will be on the fundamental approaches to core leadership theories from the perspective of design, analysis, and reporting of information. Three graduate hours of lecture or equivalent.

LDSH 802: Strategy and Contemporary Military Issues **3 cr.**

This course examines contemporary military leadership issues derived from the current environment for military leadership. In addition, the course covers the basics of strategy and includes a significant examination of historical and recent U.S. military strategy. Three graduate hours of lecture or equivalent.

LDSH 803: Evolution of Military Leadership **3 cr.**

This course details the history of military thought through the ages. It utilizes core principles, theories, and empirical models of effective and principled leadership to explore the development of military thought. Leadership is examined as a behavioral science and applied specifically to military teams, units, and organizations. Three graduate hours of lecture or equivalent.

LDSH 804: Seminar in Leadership Theory and Practice I **3 cr.**

Principles, theories, attributes, and skills related to development of formal and informal leaders. Candidates' reflection of themselves as leaders will be guided by findings from research and personal experience. Three graduate hours of lecture or equivalent.

LDSH 805: 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.

LDSH 807: Diplomatic Leadership and History **3 cr.**

This course examines the role of leadership in diplomacy. It is also a history of United States foreign policy from colonial times to the present from the perspectives of presidents, cabinet members, and national needs. Heavy emphasis is placed on the international crises, the 20th century, the world wars, the Cold War, and post-Cold War period. Three graduate hours of lecture or equivalent.

LDSH 810: Organizational Culture and Change **3 cr.**

Prerequisite: ED 820 or LDSH 800. 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.

LDSH 811: Law Enforcement Leadership – Leadership and Situational Awareness **3 cr.**

This course examines the role of strong leadership skills in a crisis or, in worst-case scenarios, such as the attack on Pearl Harbor and the 9-11 attacks, how individual multi-level leaders must cooperate to create a coherent response to the crisis. At any given time, even with superb technology, there is no "God's Eye View" of an entire unfolding crisis. Situational awareness is the key to limiting dangers and seeing a way ahead. Students will examine

specific scenarios and analyze events to determine successes and failures in historical events. Three graduate hours of lecture or equivalent.

LDSH 813: Strategy and Deterrence Leadership **3 cr.**

This course examines the history of deterrence theory from the ancient Greeks to the present day and the role strategic thinking and deployment has made at pivotal points throughout history. The primary focus is the role of dynamic leaders, civilian and military, in developing strategy and deploying methods to either thwart enemies through diplomacy or to use deterrence theory as a heavy threat to limit or end a conflict. Three graduate hours of lecture or equivalent.

LDSH 815: Quantitative Research Methods **3 cr.**

Prerequisite: ED 820 or LDSH 805. Integrated coverage of fundamentals in quantitative research. Includes statistics, experimental design, data analysis, and use of statistical software. Three hours of graduate credit.

LDSH 817: Ethics, Values, and Principled Leadership **3 cr.**

This course examines ethics and its philosophical foundations as the moral center of society. Students are immersed in practical decision-making scenarios through dilemma resolution. The core judgments illustrated become leadership essentials. Variations on core beliefs include servant leadership, authentic leadership, and the role of individual spirituality. Principled leadership will be defined as the adherence to a particular set of positive values. Three graduate hours of lecture or equivalent.

LDSH 818: Peace, Civil Unrest, and Social Conflict **3 cr.**

This course examines social aspects of peace and civil unrest on three levels. At the macro level, using sociological concepts and methods, the course considers social conflict in origins and causes, events and processes, effects and outcomes. At the meso-level of analysis, the course addresses the effects of social structure in the processes of unrest, civil dissonance, and peace. Third, non-Western analyses of conflict and peace are examined. Three graduate hours of lecture or equivalent.

LDSH 819: Ethics, Leadership, and Law Enforcement in Modern Society **3 cr.**

This course focuses on the moral questions that have arisen over the last 70 years of social change. American law enforcement leaders and officers in the field face growing challenges of balancing appropriate response to perceived threats. The United States continues to witness a rapidly expanding diverse population, increasing scrutiny in news media across multiple platforms and almost instantaneous deployment of information. This course seeks answers to these moral questions. Curriculum will include philosophical, historical, legal, and journalistic texts. Three graduate hours of lecture or equivalent.

LDSH 820: Diversity and Social Justice **3 cr.**

Prerequisite: ED 810 or LDSH 815. Models, theories, and skills for understanding diversity with emphasis on human rights and equitable opportunities for all people.

LDSH 821: Conflict Studies – Societal Implications **3 cr.**

This course investigates the causes of social unrest on levels ranging from neighborhood and township unrest to broad scale national civil movements. The course develops the student's ability to analyze conflict situations through the lenses of causation, policy, media, politics, and consequences of public perception. Major emphasis is placed on the Civil Rights Movement, Vietnam, Occupy Movement, and modern interpretation of police power and responsibilities. The student will develop critical thinking and reading skills to evaluate the relevant scholarship on the subject. Three graduate hours of lecture or equivalent.

LDSH 823: Social and Group Dynamics **3 cr.**

This course will provide an overview of practical ways in which social psychological theory and research have been applied to understand and deal effectively with problems in everyday life. We will touch on several topics that are deeply rooted in human behavior such as self-identity, social influence, social norms, stigma, belief systems, and situational cues. We will address current issues and problems such as conflict, race, authority, the environment, health, and inequality. The primary idea of this course will be to better understand the social nature of daily life and the power of social contexts to shape our thoughts, feelings, and behavior. Three graduate hours of lecture or equivalent.

LDSH 825: Dark Side of Leadership **3 cr.**

This course will focus on the negative aspects of leadership. Each week, students will read articles covering the negative sides of leadership in business, politics, religion, education, military, academics, law enforcement, sports, cross-cultural settings, etc. Lastly, this course will lead a discussion on characteristics of terrorist leaders. Three graduate hours of lecture or equivalent.

LDSH 826: Gender Issues in Leadership **3 cr.**

Special emphasis is placed on exploring the often paradoxical ways in which dominant cultural ideas about gender and leadership impact the possibilities for women to assume positions of influence. Theoretically, we will draw upon debates in gender and leadership studies. These theoretical perspectives are complemented by a strong empirical orientation, investigating manifestations of gender and leadership on an individual, organizational, and societal level. We also explore media and popular culture representations of women who strive for influential and visible posts in society (e.g. during the past United States presidential election). Three graduate hours of lecture or equivalent.

LDSH 827: Coaching and Mentoring for Leaders **3 cr.**

This course examines theories and methodologies related to coaching and mentoring including personal development planning, performance coaching, and development. Approaches in counseling and ethics that impact coaching and mentoring will be explored. These approaches and orientations include psychodynamic, humanistic, and cognitive behavior. Three graduate hours of lecture or equivalent.

LDSH 829: Culture, Climate, and Change Leadership **3 cr.**

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.

LDSH 830: Public Policy Analysis and Development **3 cr.**

Prerequisite: ED 810 or LDSH 815. 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.

LDSH 831: Policy Analysis and Development **3 cr.**

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.

LDSH 835: Qualitative Research Methods **3 cr.**

Prerequisite: ED 810 or LDSH 815. 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.

LDSH 836: Seminar in Leadership Theory and Practice IV **3 cr.**

This course enhances foundational Leadership Theory and Practice knowledge connected to research methods and analysis. This course will include the review of theory and the dissemination of complex information for use in leadership settings and applications. Primary focus is on understanding, assessing, and manipulating quantitative information for practical applications in leadership interventions and solutions.

LDSH 837: Adult Learning and Development **3 cr.**

This course will explore learning theories, cognitive learning and thinking, personality development, role and perspective changes in adulthood, concepts of creativity, maturity, interests and attitudes, motivation, self-concept, and achieving styles. Connections to practice will be made in a wide variety of community, professional, and educational settings. Three graduate hours of lecture or equivalent.

LDSH 838: Seminar in Leadership Theory and Practice III **3 cr.**

This course provides an overview of qualitative research methods in Leadership Theory and Practice related to communication and interaction with the community, organizations, and industry representatives to which leadership engages. Primary focus of the course will be on Leadership Theory and Practices fitting with the qualitative tradition. Three graduate hours of lecture or equivalent.

LDSH 840: Management of Complex Organizations **3 cr.**

Prerequisite: ED 810 or LDSH 815. 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.

LDSH 841: Leadership of Complex Organization **3 cr.**

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 graduate hours of lecture or equivalent.

LDSH 845: Research Methods, Data Collection, and Analysis **3 cr.**

Prerequisite: ED 815 or LDSH 835. Focus on problem identification, determination of appropriate method of inquiry, and analysis and interpretation of quantitative data. Three graduate hours of lecture or equivalent.

LDSH 850: Program Evaluation **3 cr.**

Corequisites: ED 817 or LDSH 845. Prerequisite: ED 815 or LDSH 835. 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.

LDSH 854: Human Resource Development **3 cr.**

This course examines Human Resource Development (HRD) as a specific field which studies learning, development, and behavior of humans in social systems. These systems include workforce development, education, and family. Research concentrations from Management Science, Education, Psychology, and Sociology strengthen HRD theory and practice. A primary focus of this course covers applied performance management informed by human sciences research as a tool that can be applied to productivity. Three graduate hours of lecture or equivalent.

LDSH 860: Strategic Resource Allocation and Development **3 cr.**

Prerequisite: ED 817 or LDSH 850. 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.

LDSH 870: Power, Politics, and Influence in Organizations **3 cr.**

Prerequisite: ED 817 or LDSH 845. Creation and execution of power relationships, political engagements, and influential communication in organizations. Three graduate credit hours of lecture or equivalent.

LDSH 871: Followership **3 cr.**

This course provides an introduction to the theory and practice of followership and its importance throughout history. Topics will include the influence of followers on effective and ineffective leadership, types of followers, and theories as they relate to understanding followership in the context of organizations and leadership. Three graduate hours of lecture or equivalent.

LDSH 872: Power, Politics, and Influence of Organizations **3 cr.**

Creation and execution of power relationships, political engagements, and influential communication in organizations. Three graduate hours of lecture or equivalent.

LDSH 880: Proposal Development **3 cr.**

Prerequisite: ED 817 or LDSH 845. 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.

LDSH 881: Strategic Consulting and Project Orientation **3 cr.**

This course will apply group and research theories towards the development of a group research project. Professional consultation practices and approaches will be addressed. Students will work collaboratively to

develop a capstone research project, write a research group contract, and proposed a timeline for the timely completion of research. Three graduate hours of lecture or equivalent.

LDSH 889: Leadership Capstone **3 cr.**

Prerequisite: ED 895 or LDSH 880. 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.

LDSH 891: Comprehensive Exam **0 cr.**

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.

LDSH 895: Independent Study **1-6 cr.**

Prerequisite: ED 895 or LDSH 880. 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.

LDSH 896: Research Capstone **3 cr.**

In this capstone course, students will revise and submit their culminating research project. The class will include discussions on finalizing work, processes for presenting research, and the completion of a white paper based on the research project. Three graduate hours of lecture or equivalent.

LDSH 898: Project Hours **3 cr.**

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 project. A minimum of 9 credit hours must be successfully completed.

LDSH 899: Dissertation **3 cr.**

Prerequisite: ED 895 or LDSH 880. 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

LA 701: 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.

LA 702: Research and Writing in the Liberal Arts and Sciences **3 cr.**

Prerequisite: LA 701 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.

LA 790: 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.

LA 797: Independent Inquiry **3 cr.**

Prerequisite: LA 701 or LA 702. 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 LA 798.

LA 798: Thesis Workshop **3 cr.**

Prerequisite: LA 797. 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 LA7 99.

LA 799: Thesis/Final Project **1-6 cr.**

Prerequisites: Completion of core courses and successful completion of LA 798. Three credits in research or other study per term. Final grading is on a pass/no credit basis.

LIBRARY SCIENCE

LIBS 412: 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.

LIBS 415: 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.

LIBS 417: 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.

LIBS 418: 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.

LIBS 427: 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.

LIBS 430: 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.

LIBS 490: 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.

LIBS 612: 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.

LIBS 615: 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.

LIBS 617: 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.

LIBS 618: 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.

LIBS 627: 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.

LIBS 630: 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.

LIBS 690: 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

MADM 105: 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.

MADM 205: 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.

MADM 210: Business Communication **3 cr.**

Prerequisite: ENGL 115. 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.

MADM 301: 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.

MADM 305: 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.

MADM 310: Cyber Business Policy and Ethics **3 cr.**

Study of laws and policies that govern, regulate, and protect users of the internet, electronic communication, and technology. Three hours of lecture.

MADM 320: Human Resource Management **3 cr.**

Prerequisite: MADM 301. 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.

MADM 321: Organizational Behavior **3 cr.**

Prerequisite: MADM 301. 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.

MADM 330: 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 MKT 330.

MADM 340: 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 MKT 340.

MADM 360: 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.

MADM 401: Hospitality Management **3 cr.**

Application, theory, and practice of management and leadership principles in a hospitality setting. Emphasis will be placed on leadership philosophies, goal setting, power and empowerment, coaching, motivation, team building, communication, and diversity.

MADM 410: Entrepreneurship and New Venture Development **3 cr.**

Prerequisite: MADM 301. 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.

MADM 415: Labor Law **3 cr.**

Prerequisite: BLAW 280. 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.

MADM 420: Hospitality Human Resource Management **3 cr.**

Application, theory, and practice of managing and training employees in a hospitality setting. Emphasis will be on human resource management topics of selection, placement, training, motivation, team, communication, and performance evaluations for hospitality employees.

MADM 423: International Human Resource Management **3 cr.**

Prerequisite: MADM 301. 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.

MADM 425: Compensation Administration **3 cr.**

Prerequisite: MADM 320 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.

MADM 427: Staffing Organizations **3 cr.**

Prerequisite: MADM 320. 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.

MADM 428: Performance Improvement **3 cr.**

Prerequisite: MADM 320. 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.

MADM 429: Training and Development **3 cr.**

Prerequisite: MADM 320. 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.

MADM 430: 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.

MADM 431: Leadership **3 cr.**

Prerequisite: MADM 301. 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.

MADM 470: Creating a Professional Image **3 cr.**

Prerequisite: MADM 301. A practical course that will help students learn how to present themselves as polished professionals in a variety of workplace and social business situations.

MADM 475: 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.

MADM 480: Administrative Policy **3 cr.**

Prerequisites: ACCT 206, FIN 301, ISDS 265, MADM 301, and MKT 301. 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.

MADM 490: Seminar in Management **3 cr.**

Prerequisites: Junior standing, MADM 301, 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.

MADM 491: Seminar in Healthcare Management **3 cr.**

Prerequisite: MADM 301 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.

MADM 495: 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.

MADM 701: 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.

MADM 710: 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.

MADM 715: 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.

MADM 720: 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.

MADM 725: 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.

MADM 730: 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.

MADM 740: International Experience **3 cr.**

This course provides students with a deeper understanding of international business through cultural immersion. Additional fees apply.

MADM 751: 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.

MADM 752: 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.

MADM 760: 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

MKT 230: Professional Marketing **3 cr.**

An application of marketing strategy concepts and techniques for professional development. Three hours of lecture.

MKT 301: 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.

MKT 305: Small Business Advertising **3 cr.**

Emphasis on creating small business advertising, including planning and design. Basics of graphic design and software applications are covered. Three hours of lecture.

MKT 310: Consumer Analysis **3 cr.**

Prerequisite: MKT 301. 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.

MKT 312: Integrated Marketing Communications Strategy **3 cr.**

Prerequisite: MKT 301. 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.

MKT 330: 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 MADM 330.

MKT 340: 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 MADM 340.

MKT 401: Marketing Management **3 cr.**

Prerequisite: MKT 301. 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.

MKT 405: Social Media Marketing **3 cr.**

Prerequisite: MKT 301 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.

MKT 420: Hospitality Analytics **3 cr.**

Application and practice of hospitality metrics. Emphasis will be placed on metrics, definitions, formulas, and methodologies of hospitality decision-making.

MKT 425: Hospitality Marketing **3 cr.**

Prerequisite: MKT 301. 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.

MKT 430: Retail Management **3 cr.**

Prerequisite: MKT 301. 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.

MKT 435: Data Analytics for Business **3 cr.**

Applied course covering business analytics, research methods, and marketing metrics. Emphasis on practical business and marketing skills in data analysis. Three hours of lecture.

MKT 440: International Marketing **3 cr.**

Prerequisite: MKT 301 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.

MKT 445: Marketing Research **3 cr.**

Prerequisites: ISDS 265 and MKT 301. 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.

MKT 475: 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.

MKT 490: Seminar in Marketing **3 cr.**

Prerequisites: Junior standing, MKT 301, 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.

MKT 495: 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.

MKT 701: Marketing Strategy **3 cr.**

The role of marketing in business and society and the analyses of marketing management concepts.

MKT 705: 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.

MKT 710: 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.

MKT 715: Advanced Marketing Analytics **3 cr.**

This course provides a conceptual and technical platform for various business analytics, research methods, and marketing metrics.

MKT 720: Hospitality Analytics **3 cr.**

This course provides a conceptual foundation of hospitality analytics including market segmentation, competition, budgeting, management contract and P&L, and revenue management and pricing.

MASS COMMUNICATION

MCOM 115: 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.

MCOM 120: 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 FILM 120.

MCOM 151: Newswriting **3 cr.**

Prerequisite: ENGL 105 with a grade of C or better. A foundational course in newswriting, including style, leads, structure, and deadlines. Three hours of lecture.

MCOM 201: Advanced Newswriting **3 cr.**

Prerequisite: MCOM 151 with a grade of C or better. Techniques of backgrounding, investigative reporting, research, and long-form newswriting are covered. Three hours of lecture.

MCOM 210: Introduction to Public Relations **3 cr.**

Prerequisite: MCOM 151 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.

MCOM 215: 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.

MCOM 230: 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.

MCOM 231: 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.

MCOM 249: Introduction to Social Media Analytics **3 cr.**

Topics in basics of social media analytics, the role of social media analytics in analyzing social media use behavior, information diffusion and recommendations online, social media influencers, social contagion in social media, and introduction to various social media analytics methods. Three hours of lecture.

MCOM 252: Broadcast Production **3 cr.**

Prerequisite: MCOM 151 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.

MCOM 253: Photojournalism **3 cr.**

Prerequisite: MCOM 151 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.

MCOM 270: Journalism Practicum **1 cr.**

Prerequisite: MCOM 151 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.

MCOM 271: EM Practicum **1 cr.**

Prerequisite: MCOM 151 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.

MCOM 280: Desktop Publishing **3 cr.**

Prerequisite: MCOM 151 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.

MCOM 285: Introduction to Corporate Video Production **3 cr.**

Prerequisite: MCOM 151 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.

MCOM 290: 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.

MCOM 295: Communication Theories **3 cr.**

Prerequisite: MCOM 151 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 COMM 295.

MCOM 305: Writing for Public Relations **3 cr.**

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.

MCOM 313: Feature Writing **3 cr.**

Long form narrative journalism appropriate for newswriting, investigative work, magazine, and multimedia production. Two hours of lecture and two hours of lab.

MCOM 317: Copy Editing **3 cr.**

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.

MCOM 320: Communication Research **3 cr.**

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 COMM 320.

MCOM 333: Mass Media Law **3 cr.**

Survey of legal constraints, power, and responsibilities of the media from historical, political, ethical, and practical perspectives. Three hours of lecture.

MCOM 343: Opinion Writing **3 cr.**

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.

MCOM 344: Public Affairs Reporting **3 cr.**

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.

MCOM 345: Sports Reporting **3 cr.**

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.

MCOM 349: Social Networks Analysis – Theory and Application **3 cr.**

Topics in network concepts and network theories related to social media analytics and social data gathering, processing, and visualization using social network analysis (SNA) to investigate communication dynamics in social media and the study of mass communication. Three hours of lecture.

MCOM 370: Media Advertising **3 cr.**

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.

MCOM 376: Advanced Broadcasting **3 cr.**

Prerequisite: MCOM 252 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.

MCOM 381: Digital Media Editing **3 cr.**

Prerequisite: MCOM 252 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.

MCOM 385: American Cinema **3 cr.**

Prerequisites: MCOM 115 and MCOM 120. 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 FILM 385.

MCOM 405: Persuasion in Mass Communication **3 cr.**

Application of persuasion theories in the analysis of mass communication messages. Three hours of lecture. Also listed as COMM 405.

MCOM 411: Practical Applications in Public Relations **3 cr.**

Case study and analysis of contemporary public relations issues. Three hours of lecture.

MCOM 433: Cases in Media Law **3 cr.**

Case study and analysis of contemporary media law issues. Three hours of lecture.

MCOM 446: Public Relations for Nonprofits **3 cr.**

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.

MCOM 449: Social Media in Strategic Communication **3 cr.**

Topics in data-driven social media analytics and its applications in media planning/strategy fields, including web applications, optimized search, online games, mobile apps, digital readers, social networks, app marketplace, SEO, etc. Three hours of lecture.

MCOM 450: Ethics in Mass Media **3 cr.**

Case study analysis and applications of media ethics from social, cultural, legal, and political perspectives. Three hours of lecture.

MCOM 455: Advanced Media Editing **3 cr.**

Prerequisite: MCOM 381 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.

MCOM 470: Advertising Campaign Analysis **3 cr.**

Prerequisite: MCOM 370. Case study and analysis of major advertising campaigns impacting mass media. Three hours of lecture.

MCOM 480: Public Relations Campaigns **3 cr.**

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.

MCOM 481: Managing Public Relations **3 cr.**

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.

MCOM 482: International Public Relations **3 cr.**

Theoretical and comparative analysis of major international campaigns. Three hours of lecture.

MCOM 490: Seminar in Mass Communication **3 cr.**

Prerequisite: 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.

MCOM 495: 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.

MCOM 496: 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.

MCOM 498: 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.

MCOM 499: Internship **1-3 cr.**

Prerequisite: MCOM senior standing, completion of OR concurrent enrollment in three (3) hours of MCOM 270/271. 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.

MCOM 605: 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 COMM 605.

MCOM 650: 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.

MCOM 690: 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.

MCOM 695: 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.

MCOM 791: 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

MATH 121: 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 MATH 121, MATH 122, and MATH 150, but credit may be given for any pair of these courses. Three hours of lecture. [LCCN: CMAT 1213/College Algebra]

MATH 121L: 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.

MATH 122: Plane Trigonometry* **3 cr.**

Prerequisite: MATH 121 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 MATH 121, MATH 122, and MATH 150, but credit may be given for any pair of these courses. Three hours of lecture. [LCCN: CMAT 1223/Trigonometry]

MATH 124: 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: CMAT 1103/Contemporary Math]

MATH 124S: Strategies for Solving Applied Problems **2 cr.**

Prerequisite: Consent of department and concurrent enrollment in MATH 124. A course to supplement and reinforce arithmetic, algebraic, and quantitative concepts, and problem-solving skills needed for MATH 124. Two hours of hands-on and lecture instruction.

MATH 125: Introduction to Mathematical Programming **3 cr.**

Prerequisite: MATH 121 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.

MATH 127: 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.

MATH 128: 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: CMAT 1313/Finite Math]

MATH 131: Elementary Applied Calculus **3 cr.**

Prerequisite: MATH 121 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 MATH 221 (Calculus I) and does not serve as a prerequisite for MATH 222 (Calculus II). Three hours of lecture. [LCCN: CMAT 2103/Applied Calculus]

MATH 150: Precalculus* **3 cr.**

Prerequisite: MATH 121 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 MATH 121 and MATH 122 as a preparation for MATH 221. Credit will not be given for all three of MATH 121, MATH 122 and MATH 150, but credit may be given for any pair of these courses. Three hours of lecture and two hours of lab. [LCCN: CMAT 1233/Algebra and Trigonometry]

MATH 201: Discrete Mathematics **3 cr.**

Prerequisite: MATH 121 or consent of the department. Logic, sets and functions; methods of proof, mathematical induction; counting techniques; graph theory; Boolean algebra. Three hours of lecture.

MATH 210: Applied Statistics **3 cr.**

Prerequisite: MATH 121 or consent of the department. This is 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.

MATH 217: Mathematics for Elementary School Teachers II **3 cr.**

Prerequisite: MATH 127 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.

MATH 218: Mathematics for Elementary School Teachers III **3 cr.**

Prerequisites: MATH 127 and MATH 217 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.

MATH 221: Analytic Geometry and Calculus I* **4 cr.**

Prerequisites: MATH 121 and MATH 122, or MATH 150, 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: CMAT 2114/Calculus I]

MATH 222: Analytic Geometry and Calculus II* **4 cr.**

Prerequisite: MATH 221. 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: CMAT 2124/Calculus II]

MATH 223: Analytic Geometry and Calculus III **4 cr.**

Prerequisite: MATH 222. 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.

MATH 235: Foundations of Mathematics **3 cr.**

Prerequisites: MATH 201 and MATH 222. 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.

MATH 254: Linear Algebra **3 cr.**

Prerequisite: MATH 221. System of linear equations; vector spaces; linear transformations; matrices and determinants. Three hours of lecture.

MATH 260: 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: CMAT 1303/Introductory Statistics]

MATH 290: Selected Topics **3 cr.**

Prerequisite: Consent of the department. Topics to be announced by the Department of Mathematics. Three hours of lecture.

MATH 304: Advanced Linear Algebra **3 cr.**

Prerequisite: MATH 254. Eigenvalues and eigenvectors, functions of vectors, inner product spaces; and spectral decomposition. Three hours of lecture.

MATH 310: Statistical Methods **3 cr.**

Prerequisites: MATH 221 and MATH 260 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.

MATH 331: Advanced Calculus I **3 cr.**

Prerequisites: MATH 223 and MATH 235. 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.

MATH 332: Advanced Calculus II **3 cr.**

Prerequisite: MATH 331. Infinite series, power series; Fourier series; improper integrals; implicit functions; point-set theory; transformations and mappings; multiple integrals. Three hours of lecture.

MATH 355: Elementary Differential Equations **3 cr.**

Prerequisite: MATH 222. 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.

MATH 390: Selected Topics in Mathematics **3 cr.**

Prerequisite: Consent of the department. Topics to be announced by the mathematics department. Three hours of lecture.

MATH 398: 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 MATH 498. One hour of credit on a pass/no credit basis.

MATH 407: College Geometry **3 cr.**

Prerequisite: MATH 235 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.

MATH 409: Number Theory **3 cr.**

Prerequisite: MATH 235. A survey of divisibility, congruencies, the Chinese remainder theorem, quadratic reciprocity, Diophantine equations, continued fractions, and other selected topics. Three hours of lecture.

MATH 413: History of Mathematics **3 cr.**

Prerequisite: MATH 221 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.

MATH 414: Biostatistics **3 cr.**

Prerequisites: MATH 222 and MATH 310 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.

MATH 418: Statistical Quality Control **3 cr.**

Prerequisites: MATH 122 and MATH 260, 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.

MATH 420: Numerical Analysis I **3 cr.**

Prerequisites: CSC 112 or CSC 140, MATH 222, and MATH 254. 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.

MATH 421: Numerical Analysis II **3 cr.**

Prerequisite: MATH 420. 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.

MATH 436: Complex Analysis I **3 cr.**

Prerequisite: MATH 223. Complex numbers, analytic functions, elementary functions and mapping elementary functions; integrals; power series; residues; poles; residue theorem and applications. Three hours of lecture.

MATH 437: Complex Analysis II **3 cr.**

Prerequisite: MATH 436. Conformal mapping and applications, Schwarz-Christoffel transformation, Poison integrals, boundary value problems, analytic continuation, and other related topics. Three hours of lecture.

MATH 440: Partial Differential Equations **3 cr.**

Prerequisites: MATH 223 and MATH 355. Fourier series; special functions; boundary-value problems, partial differential equations of mathematical physics. Three hours of lecture.

MATH 445: Differential Equations **3 cr.**

Prerequisite: MATH 355. Topics may include the study of dynamical systems, nonlinear system of ordinary differential equations, numerical techniques, and a rigorous treatment of the theory or ordinary differential equations. Three hours of lecture.

MATH 451: Real Analysis I **3 cr.**

Prerequisites: MATH 223 and MATH 235. Study of sequences and series, limits, continuity, metric spaces, and selected classical sequence and function spaces. Three hours of lecture.

MATH 452: Real Analysis II **3 cr.**

Prerequisite: MATH 451. Study of connectedness, completeness, and compactness; measure theory and integration theory; Taylor series; and sequences and series of functions. Three hours of lecture.

MATH 453: Actuarial Mathematics I **3 cr.**

Prerequisites: MATH 222 and MATH 260 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.

MATH 454: Actuarial Mathematics II **3 cr.**

Prerequisite: MATH 453 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.

MATH 455: Probability and Statistics I **3 cr.**

Prerequisite: MATH 223 or consent of the department. Probability theory; density functions; expectation; moment-generating functions; discrete random variables, including binomial, Poison, geometric, hypergeometric, and negative binomial; and continuous random variables, including normal, Chi-Square, gamma, and uniform. Three hours of lecture.

MATH 456: Probability and Statistics II **3 cr.**

Prerequisite: MATH 455. Distributions of functions of random variables, limiting distributions, central limit theorem, estimation, confidence intervals, hypothesis testing, and nonparametric methods. Three hours of lecture.

MATH 461: Abstract Algebra I **3 cr.**

Prerequisite: MATH 235. 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.

MATH 462: Abstract Algebra II **3 cr.**

Prerequisite: MATH 461. The study of rings; integral domains, fields and extensions of fields, modules and ideals. Three hours of lecture.

MATH 471: Introduction to Topology **3 cr.**

Prerequisite: MATH 235 or consent of the department. Topological spaces; metric spaces; product and quotient spaces; separation properties; connectedness and compactness. Three hours of lecture.

MATH 475: 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.

MATH 490: 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.

MATH 495: 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.

MATH 498: 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.

MATH 607: 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.

MATH 609: 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.

MATH 613: 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.

MATH 620: 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.

MATH 621: 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.

MATH 636: 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.

MATH 637: 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.

MATH 640: 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.

MATH 645: 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.

MATH 651: 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.

MATH 652: 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.

MATH 655: 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.

MATH 656: 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.

MATH 661: 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.

MATH 662: 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.

MATH 671: 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.

MATH 690: 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.

MATH 695: 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.

MATH 710: 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.

MATH 790: 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.

MATH 792: 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.

MATH 795: Independent Study in Mathematics **3 cr.**

Independent study in Mathematics. An independent project or study directed by an assigned faculty member.

MATH 799: Thesis **3 cr.**

Thesis. Research project carried out under the supervision of assigned faculty member. May be repeated.

MATHEMATICS EDUCATION

MTED 700: 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.

MTED 701: Mathematical Concepts for Elementary Teachers **3 cr.**

Prerequisite: MTED 700 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.

MTED 702: Mathematical Concepts for Middle Grade Teachers **3 cr.**

Prerequisite: MTED 700 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.

MTED 705: Intuitive Geometry for K-8 Teachers **3 cr.**

Prerequisite: MATH 217 or consent of the department. Credit will not be given for both this course and MTED 706. 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.

MTED 706: Intuitive Geometry for 6-12 Teachers **3 cr.**

Prerequisite: MATH 407 or consent of the department. Credit will not be given for both this course and MTED 705. 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.

MTED 710: 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.

MTED 713: Elementary Statistics for Teachers **3 cr.**

Prerequisite: MATH 260 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.

MTED 790: 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

MILS 101: Introduction to the Army **1 cr.**

Prerequisite: Consent of the department. Introduction to the Army, critical thinking, basic Soldier skills, and the Profession of Arms. Students will develop an understanding of ROTC, its purpose in the Army, and its advantages for the student. One hour of lecture.

MILS 102: Foundations of Agile and Adaptive Leadership **1 cr.**

Prerequisite: Consent of the department. Introduction to squad level tactics and competencies critical for effective leadership. Focuses on the personal development of life skills such as critical thinking, time management, goal setting, and the communication process. One hour of lecture.

MILS 103: Introduction to the Army Laboratory **1 cr.**

Corequisite: MILS 101. Hands-on instruction of Soldier skills, leadership, and tactics. Lab is facilitated by MSL III Cadets and supervised by Cadre. Two hours of lab.

MILS 104: Foundations of Agile and Adaptive Leadership Laboratory **1 cr.**

Corequisite: MILS 102. Hands-on instruction of Soldier skills, leadership, and tactics. Lab is facilitated by MSL III Cadets and supervised by Cadre. Two hours of lab.

MILS 201: Leadership and Decision Making **2 cr.**

Prerequisite: Consent of the department. Corequisite: MILS 203. Focuses on critical and creative thinking and the ability to apply Troop Leading Procedures and innovative solutions to problems. The Army Profession is also stressed through leadership forums and a leadership self-assessment. Two hours of lecture.

MILS 202: Army Doctrine and Team Development **2 cr.**

Prerequisite: Consent of the department. Corequisite: MILS 204. Focuses on understanding and demonstrating competencies as they relate to Army doctrine. Army Values, Teamwork, and Warrior Ethos and their relationship to the Law of Land Warfare and philosophy of military service are also stressed. Two hours of lecture.

MILS 203: Leadership and Decision Making Laboratory **1 cr.**

Corequisite: MILS 201. Hands-on instruction of Soldier skills, leadership, and tactics. Lab is facilitated by MSL III Cadets and supervised by Cadre. Two hours of lab.

MILS 204: Army Doctrine and Team Development Laboratory **1 cr.**

Corequisite: MILS 202. Hands-on instruction of Soldier skills, leadership, and tactics. Lab is facilitated by MSL III Cadets and supervised by Cadre. Two hours of lab.

MILS 205: Intermediate Military Physical Fitness I **2 cr.**

Prerequisite: Consent of the department. Integrated approach to physical conditioning by training strength, endurance, and mobility using FITT factors—frequency, intensity, time, and type. Offered each fall and spring semester, may be repeated for a total of eight hours credit. Three hours of lab.

MILS 301: Training Management and the Warfighting Functions **3 cr.**

Prerequisites: Consent of the department, MILS 201 and MILS 202. Corequisite: MILS 303. Academically challenging course where you will study, practice, and apply the fundamentals of Training Management and how the Army operates through Warfighting Functions. Includes participation in field training exercises. Three hours of lecture.

MILS 302: Applied Leadership in Small Unit Operations **3 cr.**

Prerequisites: Consent of the department, MILS 301. Corequisite: MILS 304. Academically challenging course where you will study, practice, and apply the fundamentals of direct-level leadership and small unit tactics at the platoon level. This course and field training exercises will help prepare you for Cadet Summer Training Advanced Camp, which you will attend in the summer at Fort Knox, KY. Three hours of lecture.

MILS 303: Training Management and the Warfighting Functions Laboratory **1 cr.**

Corequisite: MILS 301. Hands-on instruction of Soldier skills, leadership, and tactics. Lab is facilitated by MSL III Cadets and supervised by Cadre. Two hours of lab.

MILS 304: Applied Leadership in Small Unit Operations Laboratory **1 cr.**

Corequisite: MILS 302. Hands-on instruction of Soldier skills, leadership, and tactics. Lab is facilitated by MSL III Cadets and supervised by Cadre. Two hours of lab.

MILS 305: Advanced Military Physical Fitness II **3 cr.**

Prerequisite: Consent of the department. Advanced practical exercise in Army Physical Readiness Training. Participate in and lead Cadets through progressively challenging physical fitness sessions. Offered each fall and spring semester, may be repeated for a total of twelve hours credit. Three hours of lab.

MILS 307: Practicum (Advanced Camp) **6 cr.**

Prerequisites: Completion of MILS 301, MILS 302, MILS 303 and MILS 304, 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.

MILS 401: The Army Officer **3 cr.**

Prerequisites: Consent of the department, MILS 302. Corequisite: MILS 403. Academically challenging course where you will develop knowledge, skills, and abilities to plan, resource, and assess training at the company or field grade officer level. Three hours of lecture.

MILS 402: Company Grade Leadership **3 cr.**

Prerequisites: Consent of the department, MILS 401. Corequisite: MILS 404. Academically challenging course where you will develop knowledge, skills, and abilities required of junior officers pertaining to the Army in Unified Land Operations and company grade officer roles and responsibilities. Three hours of lecture.

MILS 403: The Army Officer Laboratory **1 cr.**

Corequisite: MILS 401. Hands-on instruction of Soldier skills, leadership, and tactics. You will oversee MSL III lesson facilitation and be supervised by Cadre. Two hours of lab.

MILS 404: Company Grade Leadership Laboratory **1 cr.**

Corequisite: MILS 402. Hands-on instruction of Soldier skills, leadership, and tactics. You will oversee MSL III lesson facilitation and be supervised by Cadre. Two hours of lab.

MILS 406: Reading/Conference **1 cr.**

Prerequisites: MILS 401, MILS 402, 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.

MILS 407: Planning and Executing **1 cr.**

Prerequisites: MILS 401, MILS 402, 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.

MILS 408: Readings and Reports **1 cr.**

Prerequisites: MILS 401, MILS 402, and consent of PMS. Readings and book reports on issues and/or military subjects of contemporary significance for military leaders. One hour of lab.

MILS 409: Instruction Methods **1 cr.**

Prerequisites: MILS 401, MILS 402, and consent of PMS. Actual experience in preparing and presenting military science instruction on selected topics under instructor supervision. One hour of lab.

MUSIC

MUS 100: 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.

MUS 110: 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.

MUS 115: 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.

MUS 116: 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.

MUS 120: 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: CMUS 1013/Music Appreciation]

MUS 125: 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.

MUS 150: 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.

MUS 250: Intermediate Piano **3 cr.**

Prerequisite: MUS 150 or consent of the department. Intermediate group instruction in piano. A continuation of MUS 150, 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.

MUS 260: Music Education for Elementary Teachers **3 cr.**

Fundamentals of music applied to the elementary school classroom. Three hours of lecture and demonstration.

MUS 440: Music History I **3 cr.**

A survey of the development of musical style in the Renaissance, Baroque, and Classic periods. Three hours of lecture.

MUS 441: 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.

MUS 442: 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.

MUS 450: 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.

MUS 490: 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.

MUS 642: 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.

MUS 650: Music in Film **3 cr.**

Prerequisite: Graduate standing. An exploration of the historical development of film music with an emphasis on understanding how and why certain compositions are used. Assesses advanced critical thinking skills through scholarly reading, independent research, written analysis, and oral presentation. Three hours of lecture.

MUS 690: 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

NPA 492: 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 POLI 492 and SOCL 492.

NPA 702: 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.

NPA 703: 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.

NPA 706: 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.

NPA 708: 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.

NPA 710: 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.

NPA 734: 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.

NPA 761: 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.

NPA 762: 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.

NPA 763: 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.

NPA 764: 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.

NPA 780: 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.

NPA 795: 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.

NPA 798: Nonprofit Directed Project **3 cr.**

This course provides a practical project platform to train students to properly conduct and understand research in the context of nonprofit leadership.

PHILOSOPHY

PHIL 105: 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: CPHL 1013/Introduction to Philosophy]

PHIL 206: 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: CPHL 2113/Introduction to Logic]

PHIL 250: 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: CPHL 2013/Introduction to Ethics]

PHIL 305: 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 HIST 305.

PHIL 306: 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 HIST 306.

PHIL 405: Existentialism **3 cr.**

A presentation and analysis of the major existential philosophers. Three hours of lecture.

PHIL 490: 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.

PHIL 605: 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.

PHIL 690: 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.

PHIL 790: 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

PHSC 105: Physical Science* **3 cr.**

Prerequisite: MATH 007 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]

PHSC 106: 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 CHEM 106. [LCCN: CPHY 1033/Physical Science II]

PHSC 106L: Applied Chemistry Laboratory **1 cr.**

Prerequisite: Registration or credit in CHEM1 10, CHEM 106, or PHSC 106. 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 CHEM 106L.

PHSC 190: 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.

PHSC 201: 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.

PHSC 210: Project-Based Science Education **3 cr.**

Prerequisites: Nine hours of biological or physical science, including PHSC 106 or CHEM 121. 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.

PHSC 790: 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.

PHYS 120: Introduction to Electrical Circuits **3 cr.**

Prerequisite: MATH 122 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 PHYS 220. Three hours of lecture.

PHYS 190: 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.

PHYS 210: Comprehensive Electrical Engineering **3 cr.**

Prerequisite: MATH 221 or equivalent. For Physics and Petroleum Engineering majors. Elementary circuits, devices, and systems in electrical engineering. Three hours of lecture.

PHYS 220: Electronics **4 cr.**

Prerequisite: PHYS 120 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.

PHYS 251: General Physics* **3 cr.**

Prerequisite: MATH 122 or MATH 221. For the premedical student and the nonphysical science student. Study of mechanics, heat and sound. Three hours of lecture and demonstration. [LCCN: CPHY 2113/Physics I (Algebra/Trigonometry Based)]

PHYS 251L: General Physics Laboratory **1 cr.**

Prerequisite: Credit or registration in PHYS 251. Two-hour laboratory course to accompany PHYS 251. [LCCN: CPHY 2111/Physics I Lab (Algebra/Trigonometry Based)]

PHYS 252: 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: CPHY 2123/Physics II (Algebra/Trigonometry Based)]

PHYS 252L: General Physics Laboratory **1 cr.**

Prerequisite: Credit or registration in PHYS 252. Two-hour laboratory course to accompany PHYS 252. [LCCN: CPHY 2121/Physics II Lab (Algebra/Trigonometry Based)]

PHYS 261: General Physics for Science Majors* **3 cr.**

Prerequisite: MATH 221 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: CPHY 2133/Physics I (Calculus Based)]

PHYS 261L: Laboratory Work for Science Majors **1 cr.**

Prerequisite: Credit or registration in PHYS 261. Two-hour laboratory course to accompany PHYS 261. [LCCN: CPHY 2131/Physics I Lab (Calculus Based)]

PHYS 262: General Physics for Science Majors* **3 cr.**

Prerequisites: PHYS 261 and MATH 222. For the student in engineering, mathematics, chemistry, or physics. Study of principles and applications of light, electricity, and magnetism. Three hours of lecture. [LCCN: CPHY 2143/Physics II (Calculus Based)]

PHYS 262L: Laboratory Work for Science Majors **1 cr.**

Prerequisite: Credit or registration in PHYS 262. Two-hour laboratory course to accompany PHYS 262. [LCCN: CPHY 2141/Physics II Lab (Calculus Based)]

PHYS 290: 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.

PHYS 291: Research Internship **1 cr.**

Prerequisite: PHYS 290. Individual reading and theoretical and/or experimental research on introductory problems in physics. One hour of research.

PHYS 292: Research Internship **1 cr.**

Prerequisite: PHYS 291. Individual reading and theoretical and/or experimental research on introductory problems in physics. One hour of research.

PHYS 302: Introduction to Optics **3 cr.**

Prerequisites: PHYS 262, MATH 223, and MATH 355 or consent of the department. A course in the fundamental principles of optics to include geometrical, physical and modern optics. Three hours of lecture.

PHYS 320: Digital Electronics **4 cr.**

Prerequisite: PHYS 220. 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.

PHYS 325: Intermediate Electricity and Magnetism **3 cr.**

Prerequisites: PHYS 262, MATH 355, and credit or concurrent enrollment in MATH 223. 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.

PHYS 326: Intermediate Electricity and Magnetism **3 cr.**

Prerequisite: PHYS 325. A continuation of PHYS 325 covering Maxwell's equations, electromagnetic waves, electrodynamics and special relativity. Three hours of lecture.

PHYS 335: Intermediate Mechanics **3 cr.**

Prerequisites: PHYS 262 and MATH 355. Application of the fundamental laws of mechanics to particles and rigid bodies. Three hours of lecture.

PHYS 365: Introduction to Modern Physics **3 cr.**

Prerequisites: PHYS 262 and PHYS 335. Primarily for physics majors or computer science majors with option in physics. An introduction to special relativity and quantum mechanics. Three hours of lecture.

PHYS 375: Thermal Physics **3 cr.**

Prerequisites: PHYS 365 and MATH 355. An introduction to thermodynamics, statistical mechanics, and kinetic theory. Three hours of lecture.

PHYS 380: Introduction to Astrophysics **3 cr.**

Prerequisite: PHYS 441 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.

PHYS 400: 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.

PHYS 401: Physics for Middle School Teachers **4 cr.**

Prerequisite: MATH 218 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.

PHYS 405: Medical Physics **3 cr.**

Prerequisite: PHYS 252 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.

PHYS 420: Introduction to Microprocessors **4 cr.**

Prerequisites: PHYS 320 and CSC 115 or CSC 140. 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.

PHYS 425: Electronic Instrumentation **4 cr.**

Prerequisite: PHYS 320. 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.

PHYS 440: Electricity and Magnetism **3 cr.**

Prerequisite: PHYS 326. A theoretical treatment of electricity and magnetism. Three hours of lecture.

PHYS 441: Electricity and Magnetism **3 cr.**

Prerequisite: PHYS 440. A theoretical treatment of electricity and magnetism. Three hours of lecture.

PHYS 462: Advanced Laboratory **1 cr.**

Prerequisite: PHYS 220. Selected experiments in several branches of physics. Three hours of lab.

PHYS 463: Advanced Laboratory **1 cr.**

Prerequisite: PHYS 462. Selected experiments in several branches of physics. Three hours of lab.

PHYS 471: Atomic Physics **3 cr.**

Prerequisites: PHYS 365 and PHYS 441 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.

PHYS 472: Nuclear Physics **3 cr.**

Prerequisites: PHYS 365 and PHYS 441, or consent of the department. A survey of radioactivity, nuclear structure, and elementary particles. Three hours of lecture.

PHYS 475: Quantum Mechanics **3 cr.**

Prerequisites: PHYS 365 and MATH 254. 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.

PHYS 480: Quantum Mechanics **3 cr.**

Prerequisite: PHYS 475. A continuation of PHYS 475. Three hours of lecture.

PHYS 485: Introduction to Mathematical Physics **3 cr.**

Prerequisites: MATH 223, MATH 254, and MATH 355, or consent of the department. An introduction to the mathematical treatment of selected physical problems. Three hours of lecture.

PHYS 486: Introduction to Mathematical Physics **3 cr.**

Prerequisite: PHYS 485. An introduction to the mathematical treatment of selected physical problems. Three hours of lecture.

PHYS 488: Selected Topics in Theoretical Physics **3 cr.**

Prerequisite: PHYS 487. 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.

PHYS 490: 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.

PHYS 600: 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.

PHYS 620: 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.

PHYS 625: 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.

PHYS 695: 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

POLI 101: 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.

POLI 151: 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.

POLI 190: 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.

POLI 201: Introduction to Public Administration **3 cr.**

Prerequisite: POLI 151. 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.

POLI 203: European Politics **3 cr.**

Prerequisite: POLI 101 or consent of the department. A survey of European governments, their political cultures, and their formal and informal institutions. Three hours of lecture.

POLI 204: Third World Politics **3 cr.**

Prerequisite: POLI 101 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.

POLI 211: The Judicial Process and the Supreme Court **3 cr.**

Prerequisite: POLI 151. An introduction to the structure and decision-making of the United States judicial system. Three hours of lecture. Also listed as CJ 211.

POLI 256: Government of Louisiana **3 cr.**

A general survey of state and local government and politics in Louisiana. Three hours of lecture.

POLI 306: American State and Local Government **3 cr.**

Prerequisite: POLI 151. A survey of the structures, functions, and problems of state and local governments in the United States. Three hours of lecture.

POLI 307: Urban Politics **3 cr.**

Prerequisite: POLI 151. 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.

POLI 315: Political Parties and Interest Groups **3 cr.**

Prerequisite: POLI 151. A study of political parties, interest groups, and campaigning in the United States. Three hours of lecture.

POLI 316: Legislative Politics **3 cr.**

Prerequisite: POLI 151. 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.

POLI 317: Presidential Politics **3 cr.**

Prerequisite: POLI 151. 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.

POLI 330: Research Methods in the Social Sciences **3 cr.**

Prerequisite: CJ 107, POLI 101, SOCL 105, or SOCL 107. 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 same 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 CJ 330 and SOCL 330.

POLI 392: 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 SOCL 392.

POLI 399: 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.

POLI 403: Political Behavior **3 cr.**

Prerequisites: POLI 151, and CJ 330 or SOCL 285. 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.

POLI 411: American Constitutional Law **3 cr.**

Prerequisites: POLI 151, and POLI 211 or CJ 211. 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 CJ 411.

POLI 424: United States Foreign Policy in the 20th Century **3 cr.**

Prerequisite: POLI 101 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.

POLI 425: International Organizations **3 cr.**

Prerequisite: POLI 101 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.

POLI 427: Western Political Thought **3 cr.**

Prerequisite: POLI 101 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.

POLI 434: Public Policy and Evaluation **3 cr.**

Prerequisites: POLI 151, and SOCL 285 or CJ 330. 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.

POLI 442: Jurisprudence **3 cr.**

Prerequisite: POLI 101 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.

POLI 460: International Politics **3 cr.**

Prerequisite: POLI 101 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.

POLI 481: Politics in the Cinema **3 cr.**

Prerequisite: POLI 151. 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 FILM 481.

POLI 490: 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.

POLI 492: 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 NPA 492 and SOCL 492.

POLI 493: 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 MADM 493 and SOCL 493.

POLI 495: 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.

POLI 603: 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.

POLI 611: 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.

POLI 624: 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.

POLI 625: 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.

POLI 627: 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.

POLI 634: 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.

POLI 642: 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.

POLI 660: 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.

POLI 681: 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.

POLI 690: 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.

POLI 695: 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.

POLI 790: 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

PSYC 152: 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.

PSYC 206: Educational Psychology* **3 cr.**

Applications of psychology to the educative process. Three hours of lecture or equivalent.

PSYC 207: Child Psychology **3 cr.**

A study of the physical, social, and cognitive development of the child. Three hours of lecture or equivalent.

PSYC 208: 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.

PSYC 209: 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.

PSYC 212: Social Psychology **3 cr.**

Survey of individual behavior and thought in social situations. Three hours of lecture or equivalent.

PSYC 216: Introductory Statistics for the Behavioral Sciences **3 cr.**

Prerequisite: Three hours of college mathematics at MATH 121 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.

PSYC 217: 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.

PSYC 250: 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.

PSYC 305: 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.

PSYC 317: 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 in 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.

PSYC 350: 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.

PSYC 370: Cognitive Psychology **3 cr.**

Prerequisite: PSYC 152 or PSYC 206. An introduction to theories and research related to human cognition. Memory, attention, thinking, language, and metacognition are emphasized. Three hours of lecture or equivalent.

PSYC 401: 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.

PSYC 404: Personality **3 cr.**

Prerequisite: Three hours of psychology. A study of determinants and dynamics of personality theory. Three hours of lecture or equivalent.

PSYC 405: 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.

PSYC 409: 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.

PSYC 411: History of Modern Psychology **3 cr.**

A historical survey of psychology with special reference to schools of psychology. Three hours of lecture or equivalent.

PSYC 422: 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.

PSYC 425: 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.

PSYC 426: 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.

PSYC 428: 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.

PSYC 430: 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.

PSYC 440: 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.

PSYC 450: 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.

PSYC 455: Introduction to Applied Behavior Analysis **3 cr.**

An introduction to the field of applied behavior analysis, its procedures, techniques, and methods. Three hours of lecture or equivalent.

PSYC 490: 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.

PSYC 491: Psychology Field Experience **3 cr.**

Prerequisites: Senior standing, PSYC 430, availability of an appropriate placement, and consent of the department. May not be repeated. Nine hours of lab.

PSYC 495: 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.

PSYC 496: Dispute Resolution Strategies **3 cr.**

Prerequisites: PSYC 152 or PSYC 206 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 meditation strategies. Three hours of lecture. Cross-listed with ED496.

PSYC 604: Personality **3 cr.**

Prerequisite: Three hours of Psychology. Determinants and dynamics of personality and research theory. Three hours of lecture or equivalent.

PSYC 608: 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.

PSYC 609: 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.

PSYC 611: 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.

PSYC 625: 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.

PSYC 626: 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.

PSYC 630: 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.

PSYC 640: 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.

PSYC 650: 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.

PSYC 690: 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.

PSYC 691: 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.

PSYC 695: 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.

PSYC 696: 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 meditation strategies. Three hours of lecture. Cross-listed with ED 696.

PSYC 702: 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.

PSYC 705: 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.

PSYC 706: 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.

PSYC 707: Advanced Child Psychology **3 cr.**

A presentation of research methodology, theory, and data on child development and behavior. Three hours of lecture or equivalent.

PSYC 708: 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.

PSYC 709: 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.

PSYC 710: 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.

PSYC 711: 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.

PSYC 714: 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.

PSYC 716: 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.

PSYC 717: 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.

PSYC 718: 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.

PSYC 719: 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.

PSYC 728: 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.

PSYC 734: 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.

PSYC 740: Psychopharmacology for Practitioners **3 cr.**

Prerequisite: PSYC 422 or PSYC 719, 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.

PSYC 745: 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.

PSYC 747: Case Formulation **3 cr.**

Prerequisite: Graduate standing in Psychology, PSYC 721, 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.

PSYC 748: 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.

PSYC 749: 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.

PSYC 750: 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.

PSYC 751: 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.

PSYC 752: Psychological Assessment II **3 cr.**

Prerequisite: PSYC 751. Course involves the presentation of a variety of objective and projective tests of personality. Three hours of lecture and one hour of lab.

PSYC 753: Psychological Assessment Practicum I **3 cr.**

Prerequisite: PSYC 752. 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.

PSYC 754: Psychological Assessment Practicum II **3 cr.**

Prerequisite: PSYC 753. 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.

PSYC 755: 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.

PSYC 757: Behavior Neuroscience **3 cr.**

An overview of the neurophysiological, neurochemical, and neuroanatomical influences on behavior. Three hours of lecture or equivalent.

PSYC 760: 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.

PSYC 780: 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.

PSYC 788: Internship in School Psychology I **6 cr.**

Prerequisites: PSYC 754 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.

PSYC 789: Internship in School Psychology II **6 cr.**

Prerequisite: PSYC 788. A continuation of PSYC 788. 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.

PSYC 799: 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

PUBH 701: 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.

PUBH 702: 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.

PUBH 703: 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.

PUBH 704: 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.

PUBH 705: 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.

PUBH 706: 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.

PUBH 707: Program Planning **3 cr.**
A comprehensive study and application of established models for planning, implementing, and evaluating small and large-scale health programs. Includes an introduction to the evaluation of community-based public health programs.

PUBH 708: 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.

PUBH 709: 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.

PUBH 710: 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.

PUBH 712: 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.

PUBH 713: 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.

PUBH 714: 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.

PUBH 717: 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.

PUBH 718: 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.

PUBH 719: 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.

PUBH 720: 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.

PUBH 721: 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.

PUBH 723: Program Evaluation and Analysis **3 cr.**

This course will focus on dimensions of practical health program evaluations with emphasis on meeting the needs of non-profit and for-profit agencies, program administrators, and program planners.

PUBH 724: Understanding Poverty – A Public Health Perspective **3 cr.**

This course examines the experiences of living in poverty, middle class, and wealth. The driving force of generational poverty as the cause and possible solution will be presented. Public health's role in addressing poverty along with possible solutions will be discussed.

PUBH 780: 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.

PUBH 781: 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.

PUBH 782: 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.

PUBH 783: 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.

PUBH 798: 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.

PUBH 799: 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

RELS 325: 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 HIST 325, which cannot be taken for credit in addition to this course.

RELS 326: 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 HIST 326, which cannot be taken for credit in addition to this course.

RELS 430: 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.

RELS 440: 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.

RELS 490: 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.

RELS 690: 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

SC 101: 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.

SC 102: Integrated Science II **5 cr.**

Prerequisite: SC 101 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.

SC 103: Integrated Science **5 cr.**

Prerequisite: SC 102 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.

SC 401: Earth/Space Science for Middle School Teachers **4 cr.**

Prerequisite: MATH 218. 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.

SC 480: 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 HIST 480.

SC 485: 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.

SC 680: 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 HIST 680.

SC 785: 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.

SC 790: Special Topics in Science **3 cr.**

Special topics in Science. May be repeated as topics vary from term to term up to six hours.

SC 795: Independent Study in Science **3 cr.**

Independent study in Science. An independent project or study directed by an assigned faculty member.

SC 799: Thesis **3 cr.**

Research project carried out under the supervision of assigned faculty member. May be repeated.

SOCIAL WELFARE

SW 106: 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 SOCL 106.

SW 280: 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 SOCL 280.

SW 322: Juvenile Delinquency **3 cr.**

Study of delinquency, its causes, treatment, and prevention. Three hours of lecture. Also listed as SOCL 322 and CJ 322.

SW 360: 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 SOCL 360.

SOCIOLOGY

SOCL 105: 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.

SOCL 106: 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 SW 106.

SOCL 107: 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.

SOCL 142: 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.

SOCL 192: 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.

SOCL 250: 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.

SOCL 255: 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.

SOCL 256: 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.

SOCL 280: 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 SW 280.

SOCL 299: Sociological Internship **3 cr.**

Prerequisite: SOCL 105 or PSYC 152. 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.

SOCL 301: 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.

SOCL 302: Social Organization **3 cr.**

Prerequisite: SOCL 105 or SOCL 107, or consent of the department. Study of structure and function of large-scale organizations. Comparisons of various types of organizations. Three hours of lecture.

SOCL 317: Population **3 cr.**

Prerequisite: SOCL 105 or SOCL 107, 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.

SOCL 320: Criminology **3 cr.**

Prerequisite: SOCL 105 or SOCL 107, or consent of the department. Analysis of crime and its causes; theories of criminal and delinquent behavior. Three hours of lecture. Also listed as CJ 320.

SOCL 322: Juvenile Delinquency **3 cr.**

Study of delinquency, its causes treatment, and prevention. Three hours of lecture. Also listed as CJ 322 and SW 322.

SOCL 330: Research Methods in the Social Sciences **3 cr.**

Prerequisite: CJ 107, POLI 101, SOCL 105, or SOCL 107. 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 same 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 CJ 330 and POLI 330.

SOCL 360: 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 SOCL 360.

SOCL 392: 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 POLI 392.

SOCL 420: Social Institutions **3 cr.**

Prerequisite: SOCL 105 or SOCL 107, or consent of the department. Analysis of major social institutions such as education, family, politics and religion. Three hours of lecture.

SOCL 460: Social Change and the Future **3 cr.**

Prerequisite: SOCL 105 or SOCL 107, 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.

SOCL 465: 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.

SOCL 477: Sociology of Health **3 cr.**

Prerequisite: SOCL 105, SOCL 107, 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.

SOCL 490: 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.

SOCL 491: 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.

SOCL 492: 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 POLI 492 and NPA 492.

SOCL 493: 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 MADM 493 and POLI 493.

SOCL 495: 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.

SOCL 499: 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.

SOCL 620: 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.

SOCL 660: 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.

SOCL 665: 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.

SOCL 677: 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.

SOCL 690: 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.

SOCL 695: 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.

SOCL 699: 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.

SOCL 725: 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.

SOCL 790: 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 SPAN 101, SPAN 102, SPAN 201 or SPAN 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: SPAN 101, SPAN 102, and SPAN 201. SPAN 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.

SPAN 101: 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 fours skills of reading, writing, speaking, and listening. Three hours of lecture. [LCCN: CSPN 1013/Elementary Spanish I]

SPAN 102: Elementary Spanish II **3 cr.**

Prerequisite: SPAN 101 or advanced standing placement. A continuation of SPAN 101 with continued emphasis on the aural-oral aspects of the language. Continuation of elementary reading selections. Three hours of lecture. [LCCN: CSPN 1023/Elementary Spanish II]

SPAN 201: Intermediate Spanish **3 cr.**

Prerequisite: SPAN 102 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: CSPN 2013/Intermediate Spanish I]

SPAN 205: Readings in Spanish Literature **3 cr.**

Prerequisite: SPAN 201 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: CSPN 2023/Intermediate Spanish II]

SPAN 292: 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.

SPAN 301: Spanish Phonetics and Conversation **3 cr.**

Prerequisite: SPAN 201 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.

SPAN 303: Business Spanish **3 cr.**

Prerequisite: SPAN 201 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.

SPAN 304: Advanced Spanish Grammar and Composition **3 cr.**

Prerequisite: SPAN 201 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.

SPAN 305: Medical Spanish **3 cr.**

Prerequisite: SPAN 201. 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.

SPAN 316: Spanish Culture and Civilization **3 cr.**

Prerequisite: SPAN 201 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.

SPAN 318: Hispanic-American Culture and Civilization **3 cr.**

Prerequisite: SPAN 201 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.

SPAN 331: 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.

SPAN 332: 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.

SPAN 390: Special Topics in Spanish **3 cr.**

Prerequisite: SPAN 201 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.

SPAN 392: 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 SPAN 292 except that LSUS credit is restricted to course work considered advanced. In some cases, tuition will need to be paid at a foreign university.

SPAN 403: 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.

SPAN 404: 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, Victor 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 FILM 404.

SPAN 405: 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 FILM 405.

SPAN 410: 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.

SPAN 419: 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.

SPAN 420: 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.

SPAN 490: 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.

SPAN 495: 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.

SPAN 603: 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.

SPAN 604: 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, Victor Érice 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.

SPAN 605: 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.

SPAN 610: 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.

SPAN 619: 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.

SPAN 620: 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.

SPAN 690: 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.

SPAN 695: 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.

SPAN 790: 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.

SPAN 792: 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 EULT 792.

THEATRE

THEA 125: Voice for Performance **3 cr.**

Assists students in achieving professional skills in vocal quality, diction, intonation, and pronunciation. Three hours of lecture. [LCCN: CTHE 2203/Voice for the Stage]

THEA 160: 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: CTHE 1013/Introduction to Theatre]

THEA 240: 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.

THEA 241: 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.

THEA 261: Introduction to Acting **3 cr.**

A beginning acting class that concentrates on body awareness, voice production, and acting techniques. Three hours of lecture. [LCCN: CTHE 2103/Acting I]

THEA 262: 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.

THEA 280: Theatre Production **4 cr.**

Prerequisite: THEA 160 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.

THEA 325: Personal Performance **3 cr.**

Prerequisite: THEA 125 or COMM 135 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.

THEA 361: Intermediate Acting **3 cr.**

Prerequisite: THEA 261 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.

THEA 363: Directing for the Stage **4 cr.**

Prerequisite: THEA 160 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.

THEA 461: Advanced Acting **3 cr.**

Prerequisite: THEA 361 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.

THEA 470: 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 FILM 470. Three hours of lecture.

THEA 473: 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 FILM 473. Three hours of lecture.

THEA 497: Collaboration in Theatre **3 cr.**

Prerequisite: THEA 261. 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

UNIV 100: 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.

UNIV 200: 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.

UNIV 299: 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

WMST 401: 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.

WMST 402: 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.

WMST 405: 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.

WMST 455: 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 KHS 455.

WMST 490: 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.

WMST 601: 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.

WMST 602: 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 modem times. Students will analyze the texts within a socio-cultural context, using a variety of critical and theoretical approaches. Three hours of lecture.

WMST 605: 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.

WMST 655: 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 KHS 655.

WMST 690: 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.

WMST 790: 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

The first academic year of service with LSUS is shown in parentheses.

Aamodt, Stephanie (1993)
Professor, Department of Biological Sciences
Ph.D.; Vanderbilt University

Alam, Tauhidul (2019)
Assistant Professor, Department of Computer Science
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Albers, Nancy (2016)
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Dean, College of Business
Ph.D.; University of Houston

Alford, Robert (1996)
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M.F.A.; Yale University

Ambrosio, Fabio (2019)
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L.L.M.; University of Washington

Banks, Stephen W. (1992)
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Ph.D.; University of Nottingham

Bai, Yu (2019)
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Ph.D.; University of Houston

Baxter, George Kevin (2020)
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Ed.D.; Louisiana State University Shreveport

Bible, Douglas S. (1985)
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Bida, Elizabeth Zippi (1994)
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Blakeney, La Wanda J. (1993)
Professor, Department of Arts and Media
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Blalock, Kacie (2014)
Associate Professor, Department of Psychology
Director, Master of Science in Counseling
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Bogie, Rebecca (2020)
Instructor, Department of Accounting and Business Law
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Bost, Brent (2020)
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Burden, Beverly (1994)
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Burrell, Tracey (2020)
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Buzgo, Matyas (2007)
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Chakrabarty, Subhajit (2020)
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Chavis, Katie (2017)
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Chen, Si (2019)
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Choi, Daewoung "Joey" (2017)
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Clark, Larry (2014)
Chancellor
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Coehoorn, Cory (2018)
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Ph.D.; University of Victoria
Cooper, Alisha (2014)
Assistant Professor of Professional Practice, Department of Education
M.Ed.L.; Louisiana State University Shreveport
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Cvek, Urska (2004)
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Sc.D.; University of Massachusetts Lowell
Dai, Yong (1994)
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Darban, Mehdi (2018)
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Ph.D.; Kent State University
Darrat, Aadel (2017)
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Evans, Cay (2019)
Professor and Chair, Department of Education
Ph.D.; University of Georgia
Evans, James R. (2000)
Associate Professor, Department of Psychology
M.A.; Louisiana Tech University
M.A.; Central Michigan University
Farrow, Joyce (2020)
Assistant Professor, Department of Education
Ph.D.; University of North Carolina
Fawaz, Fadi (2019)
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Fortenberry, Jr., John L. (2003)
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Ph.D.; Auburn University
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M.A.; Northwestern State University
M.Ed.; Northwestern State University
M.F.A.; Louisiana Tech University
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Gibbs, James (2019)
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Young, Riley (2011)
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Emeriti

Alexander, Donald (1974)
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Anderson, David (1992)
Professor of Geography, Emeritus

Anderson, Lawrence (1989)
Professor of English, Emeritus
Dean Emeritus, College of Arts and Sciences

Batten, LaMoyne (1974)
Professor of Fine Arts, Emeritus
Chair Emeritus, Department of Fine Arts, Foreign Languages, and Humanities

Barlow, Charlene Handford (1968)
Professor of Communications, Emerita

Bates, James (1967)
Professor of Health and Physical Education, Emeritus
Chair Emeritus, Department of Health and Physical Education

Bates, Patricia Teel (1968)
Professor of English, Emerita
Provost and Vice Chancellor for Academic Affairs

Benefield, Robert L. (1973)
Professor of Psychology, Emeritus

Boucher, Gary (1987)
Professor of Physics, Emeritus

Brendler, Michael D. (1977)
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Bridger, Gale (1975)
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Butterbaugh, Randy R. (2004)
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Vice Chancellor for Student Affairs

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Carriere, Edward (1974)
Professor of Economics, Emeritus

Casperson, Luvonia (1975)
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Cloud, Dalton L. (1967)
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Collins, Frank (1968)
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Colquette, Richard L. (1974)
Librarian and Assistant Director, Emeritus
Conway, Megan (1992)
Professor of French, Emerita
Critcher, Adrienne (1982)
Professor of Computer Science, Emerita
Doerr, Patricia F. (1985)
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Associate Dean, College of Business, Education, and Human Development
Dolch, Norman (1974)
Professor of Sociology, Emeritus
Director Emeritus, Institute for Human Services and Public Policy
Finley, Milton (1973)
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Gabehart, Alan D. (1993)
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Dean Emeritus, Noel Memorial Library
Goerner, Joseph (1967)
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Chair Emeritus, Department of Chemistry
Gossett, Dalton (1987)
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Green, Joe L. (1978)
Professor of Education, Emeritus
Guerin, Wilfred (1974)
Professor of English, Emeritus
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Professor of Education, Emeritus
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Professor of Agriculture, Emeritus
Hardy, Laurence (1968)
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Harju, Melvin (1977)
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Dean, College of Business
Hinze, Kenneth E. (1975)
Professor of Sociology, Emeritus
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Jimes, Selvestion "Sonny" (1967)
Professor of Biological Sciences, Emeritus
Jones, Charlotte A. (1984)
Professor of Economics, Emerita
Dean Emeritus, College of Business
Jones, Gary E. (2003)
Professor of Psychology, Emeritus
Chair Emeritus, Department of Psychology
Kalinsky, Robert (1974)
Professor of Biological Sciences, Emeritus
Kemp, George (1970)
Professor of Psychology, Emeritus
Chair Emeritus, Department of Psychology
Krajewski, Lorraine A. (1983)
Professor of Management, Emerita
Lake, James H. (1973)
Professor of English, Emeritus
Leitz, III, Robert C. (1973)
Professor and Curator of the Noel Memorial Library, Emeritus
Lynch, Steven (1977)
Professor of Biological Sciences, Emeritus
Mabry, Richard (1989)
Professor of Mathematics, Emeritus
Marshman, Larry (1973)
Professor of Education, Emeritus
Martin, Ron (1972)
Professor of Chemistry and Physics, Emeritus
McKinney, Alfred L. (1974)
Professor of Computer Science, Emeritus
Dean, College of Sciences
McLaurin, Ann (1973)
Professor of History, Emerita
Dean, College of Liberal Arts
Merkle, Paul E. (1976)
Professor of Economics, Emeritus
Mills, Stuart E. (1973)
Professor of Mathematics, Emeritus
Provost and Vice Chancellor for Academic Affairs, Emeritus
Moore, Charles William (1983)
Professor of Fine Arts, Emeritus
Mosley, Mattie J. (1967)
Professor of Library Science, Emerita
Moss, Thomas A. (1967)
Professor of Mathematics, Emeritus
Dean, College of Sciences
Nevill, William A. (1983)
Professor of Chemistry, Emeritus
Nolan, Rebecca (1989)
Professor of Psychology, Emerita
Parker, Malcolm G. (1967)
Librarian, Emeritus
Reed, Jim D. (1977)
Professor of Marketing, Emeritus

Sabin, James E. (1973)
Professor of Education, Emeritus
Sanderson, Donald (1974)
Professor of Philosophy, Emeritus
Sigle, John W. (1981)
Professor of Computer Science, Emeritus
Sisson, Cynthia (1994)
Professor of Physics, Emerita
Chair Emerita, Department of Chemistry and Physics
Sisson, Paul (1993)
Professor of Mathematics, Emeritus
Provost, Emeritus
Vice Chancellor for Academic Affairs
Stanley, Patricia (1986)
Professor of Psychology, Emerita
Taylor, Raymond (1991)
Professor of Marketing, Emeritus
Thompson, Alan (1968)
Professor of History, Emeritus
Tillman, Todd Y. (1969)
Assistant Professor of Management, Emeritus
Walford, Lynn (1992)
Professor of Spanish, Emerita
Wilson, Charles (1980)
Associate Professor of Education, Emeritus
Wood, Julienne L. (1999)
Librarian, Emerita
Head Emerita, Research Services

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 three 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 enrolled 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 three-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 nine-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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13 Pioneer Heritage Center
14 Red River Watershed Management Institute
15 Science Building
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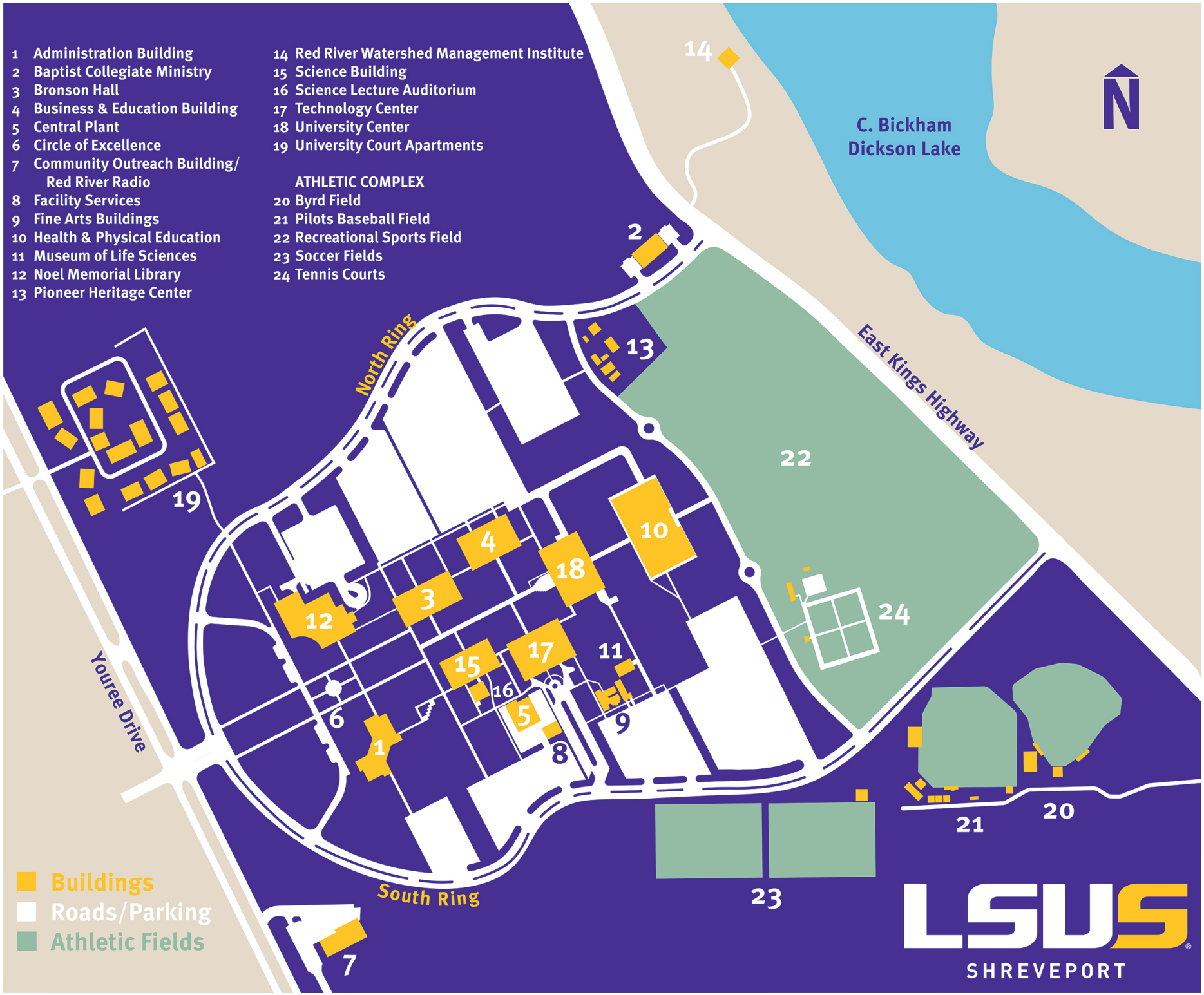
17 Technology Center
18 University Center
19 University Court Apartments

ATHLETIC COMPLEX
20 Byrd Field
21 Pilots Baseball Field
22 Recreational Sports Field
23 Soccer Fields
24 Tennis Courts



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