

UNIVERSITY OF LOUISIANA MONROE

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Monroe, Louisiana

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SPRING SEMESTER

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Failure to read this catalog does not excuse students from the requirements and regulations described herein.

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The University of Louisiana at Monroe, an institution of higher learning, maintains compliance with the requirements and regulations set forth by the Family Educational Rights and Privacy Act, as amended June 17, 1976. The Family Educational Rights and Privacy Act Compliance Guidelines are available to parents and students in the Office of Student Affairs, Dean of Students, Registrar, and Student Government Association.

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2008

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2009

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THE ACADEMIC YEAR, 2008-2009

SUMMER TERM, 2008

May						
S	M	T	W	T	F	S
					1	2 3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
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SUMMER INTERSESSION, 2008

MAY

12	Mon	Classes begin
13	Tue	Final date for adding courses for credit or making course changes
19	Mon	Final date for dropping courses or resigning from the University; a "W" grade is issued
30	Fri	Final Examinations

JUNE

2	Mon	Grades due on-line before 2:00 P.M.
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FIRST SUMMER SESSION, 2008

MAY

26	Mon	Memorial Day Holiday
30	Tue	Residence halls open for students - 1st session

JUNE

2	Mon	Classes begin - 1st session
3	Tue	Final date for adding courses for credit or making course changes - 1st session
4	Wed	Final date for making application for comprehensive examination and application for degree for August commencement
9-12	M-Thu	Preliminary examinations for doctoral students
10	Tue	Final date for removing "I" grades - 1st session
11	Wed	Final date for filing field study, thesis, or dissertation with Graduate Advisory Committee - 1st session
16	Mon	Final date for dropping courses or resigning from the University; a "W" grade is issued
26	Thu	Final date for filing field study, thesis, or dissertation with Graduate School - 1st session
26	Thu	Final Examinations
30	Mon	Grades due on-line before 8:00 A.M. - 1st session; Term ends 12:00 P.M. - 1st session

June						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

NOTE: The cafeterias, dining halls, and residence halls will be closed during the Labor Day, Thanksgiving, Mardi Gras, Spring, and Fourth of July holidays, and other periods when classes are not in session.

July						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

SECOND SUMMER SESSION, 2008

JULY

4	Fri	Independence Day Holiday (observed)
6	Sun	Residence halls open for students - 2nd session
7	Mon	Classes begin - 2nd session
8	Tue	Final date for adding courses for credit or making course changes - 2nd session
14-17	M-Thu	Comprehensive examinations for graduate students
15	Tue	Final date for removing "I" grades - 2nd session
21	Mon	Final date for dropping courses or resigning from the University; a "W" grade is issued
31	Thu	Final Examinations

August						
S	M	T	W	T	F	S
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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

AUGUST

4	Mon	Grades due on-line before 8:00 A.M.
9	Sat	Commencement, 2:00 P.M., Term ends, 12:00 Midnight

FALL SEMESTER, 2008

September						
S	M	T	W	T	F	S
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

AUGUST

11-15	M-F	Faculty Development Activities
15	Fri	Residence halls open for students
18	Mon	Classes begin
20	Wed	Final date for adding courses for credit or making course changes

SEPTEMBER

1	Mon	Labor Day Holiday
2	Tue	Final date for making application for comprehensive examination and application for degree for December commencement
12	Fri	Final date for removing "I" grades
29-30	M-T	Mid-Term Grading

October						
S	M	T	W	T	F	S
		1	2	3	4	
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

OCTOBER

1-3	W-F	Mid-Term Grading; grades due by 8:00 A.M. Friday
7	Tue	Final date for filing field study, thesis, or dissertation with Graduate Advisory Committee
9-10	Th-F	Fall Holiday
13-17	M-F	Preliminary examinations for doctoral students
22	Wed	Final date for dropping courses or resigning from the University; a "W" grade is issued
23	Thu	Final date for filing field study, thesis, or dissertation with Graduate School
27-31	M-F	Comprehensive examinations for graduate students

NOVEMBER

26-28	W-F	Thanksgiving Holidays, Classes close at 12:00 p.m. on Wednesday
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November						
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23	24	25	26	27	28	29
30						

NOTE: The cafeterias, dining halls, and residence halls will be closed during the Labor Day, Thanksgiving, Mardi Gras, Spring, and Fourth of July holidays, and other periods when classes are not in session.

December						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

DECEMBER

1	Mon	Classes resume
1-2	M-Tu	Final Examinations
3	Wed	Student Study Day
4-5	Th-F	Final Examinations
9	Tue	Grades Due on-line before 8:00 A.M.
13	Sat	Commencement, 2:00 P.M.; Semester ends, 12:00 Midnight
22	Mon	University Offices closed

WINTERSESSION, 2008-2009**DECEMBER**

8	Mon	Classes begin
9	Tue	Final date for adding courses for credit or making course changes
19	Fri	Final date for dropping courses or resigning from University; a "W" grade is issued
24-31	W-W	Wintersession Break (no classes)

JANUARY

1	Thu	New Year's Day (observed)
2	Fri	Classes resume
9	Fri	Final Examinations
13	Tue	Grades due on-line before 8:00 a.m.

January						
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18	19	20	21	22	23	24
25	26	27	28	29	30	31

SPRING SEMESTER, 2009**JANUARY**

5	Mon	University Offices Open
5-9	M-F	Faculty Development Activities
9	Fri	Residence halls open for students
12	Mon	Classes begin
14	Wed	Final date for adding courses for credit or making course changes
19	Mon	Martin Luther King Day Holiday
27	Tue	Final date for making application for comprehensive examination and application for degree for May commencement

FEBRUARY

6	Fri	Final date for removing "I" grades
23-25	M-W	Mardi Gras Holidays
26	Thu	Classes resume

February						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
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15	16	17	18	19	20	21
22	23	24	25	26	27	28

NOTE: The cafeterias, dining halls, and residence halls will be closed during the Labor Day, Thanksgiving, Mardi Gras, Spring, and Fourth of July holidays and other periods when classes are not in session.

March						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

MARCH

- 2-6 M-F Mid-term Grading; grades due by 8:00 A.M. Friday
- 2-6 M-F Preliminary examinations for doctoral students
- 6 Fri Final date for filing field study, thesis, or dissertation with Graduate Advisory Committee
- 19 Thu Final date for dropping courses or resigning from the University; a "W" grade is issued
- 23-27 M-F Comprehensive examinations for graduate students
- 30 Mon Final date for filing field study, thesis, or dissertation with Graduate School

April						
S	M	T	W	T	F	S
			1	2	3	4
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12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

APRIL

- 10-17 F-F Spring Holiday
- 20 Mon Classes resume

MAY

- 4-5 M-Tu Final Examinations
- 6 Wed Student Study Day
- 7-8 Th-F Final Examinations
- 12 Tue Grades due on-line before 8:00 A.M.
- 16 Sat Commencement, 2:00 P.M.
Semester ends, 12:00 Midnight

May						
S	M	T	W	T	F	S
				1	2	
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10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

SUMMER INTERSESSION, 2009

MAY

- 11 Mon Classes begin
- 12 Tue Final date for adding courses for credit or making course changes
- 18 Mon Final date for dropping courses or resigning from the University; a "W" grade is issued
- 25 Mon Memorial Day Holiday

JUNE

- 2 Tue Final Examinations
- 4 Thu Grades due on-line before 8:00 a.m.

June						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

NOTE: The cafeterias, dining halls, and residence halls will be closed during the Labor Day, Thanksgiving, Mardi Gras, Spring, and Fourth of July holidays and other periods when classes are not in session.

SUMMER TERM, 2009

FIRST SUMMER SESSION, 2009

June						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

JUNE

- 2 Tue Residence halls open for students - 1st session
- 3 Wed Classes begin - 1st session
- 4 Thu Final date for adding courses for credit or making course changes - 1st session
- 5 Fri Final date for making application for comprehensive examination and application for degree for August commencement
- 15-18 M-Th Preliminary examinations for doctoral students
- 16 Tue Final date for removing "I" grades - 1st session
- 17 Wed Final date for filing field study, thesis, or dissertation with Graduate Advisory Committee - 1st session
- 22 Mon Final date for dropping courses or resigning from the University; a "W" grade is issued

July						
S	M	T	W	T	F	S
		1	2	3	4	
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

JULY

- 2 Thu Final date for filing field study, thesis, or dissertation with Graduate School
- 2 Thu Final Examinations
- 3 Fri Independence Day Holiday (observed)
- 6 Mon Session resumes, 7:30 A.M.
- 6 Mon Grades due on-line before 8:00 A.M.- 1st session
Term ends 12:00 Noon - 1st session

SECOND SUMMER SESSION, 2009

JULY

- 7 Tue Residence halls open for students - 2nd session
- 8 Wed Classes begin - 2nd session
- 9 Thu Final date for adding courses for credit or making course changes - 2nd session
- 13-16 M-Thu Comprehensive examinations for graduate students
- 21 Tue Final date for removing "I" grades - 2nd session
- 27 Mon Final date for dropping courses or resigning from the University; a "W" grade is issued

August						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

AUGUST

- 6 Thu Final Examinations
- 10 Mon Grades due in on-line before 8:00 A.M..
- 15 Sat Commencement, 2:00 P.M.
Term ends, 12:00 Midnight

NOTE: The cafeterias, dining halls, and residence halls will be closed during the Labor Day, Thanksgiving, Mardi Gras, Spring, and Fourth of July holidays, and other periods when classes are not in session.

THE UNIVERSITY

PURPOSE/MISSION OF THE UNIVERSITY

The University of Louisiana at Monroe (ULM) is committed to serving as a gateway to diverse academic studies for citizens living in the urban and rural regions of the Lower Mississippi Delta. The University offers a broad array of academic and professional programs through the doctoral degree, including the state's only public Pharm.D. program. Complemented by research and service, these programs address the post-secondary educational needs of the area's citizens, business and industry.

The University ensures student learning by promoting a comprehensive context for the intellectual, scientific, cultural, technological, and economic development of a diverse student and faculty population. ULM values the continued development of mutually beneficial partnerships involving school, governmental, business, and a variety of community-based agencies.

ULM is located in Region VIII. The University is categorized as a SREB Four-Year 3 institution and as a Carnegie Master's College and University I. ULM will offer a wide range of baccalaureate programs and be committed to graduate education through the master's degree, offering graduate programs to meet regional/state needs. ULM will enroll students in need of no more than one developmental education course, will limit associate degree offerings to 2+2 programs, will conduct research appropriate to academic programs offered and necessary for program accreditation, and will implement Selective III admissions criteria.

HISTORICAL SKETCH OF THE UNIVERSITY

The University of Louisiana at Monroe has followed a course of vigorous growth in its transition from a junior college to an institution offering a comprehensive range of undergraduate and graduate degree programs. In September 1931, the University opened for its first session as Ouachita Parish Junior College, which was operated as part of the Ouachita Parish School System. In 1934, Louisiana State University received authority from the State Legislature to operate the facilities of the University as Northeast Center of Louisiana State University. The name of the institution was changed to Northeast Junior College of Louisiana State University in 1939. The following year, the State Legislature authorized the transfer of all lands connected with Northeast Junior College to Louisiana State University.

The 1950 Legislature approved the expansion of Northeast Junior College to a senior college granting academic degrees. The name of the institution was

changed to Northeast Louisiana State College, and its control was transferred from the Louisiana State University Board of Supervisors to the State Board of Education. The School of Pharmacy was established in 1956.

The academic year 1969-70 was a milestone for ULM; in addition to awarding the first doctoral degrees, the name was changed to Northeast Louisiana University by the 1970 Legislature. The constitution, adopted by the people of Louisiana in 1974, provided that the administration of state colleges and universities be changed from the Louisiana State Board of Education to the Board of Trustees for State Colleges and Universities effective May, 1975. This Board's name was again changed on June 8, 1995 to the University of Louisiana Board of Trustees and in 1998 to the University of Louisiana System Board of Supervisors.

The Graduate School was established in 1961 to offer master's degrees. In the Fall of 1967 the Education Specialist degree was first offered and in 1983 the Specialist in School Psychology degree was added. The Doctor of Philosophy degree in Pharmacy was established by the Graduate School in December of 1967. In 1993 the Office of Research and Projects and the Graduate School were merged forming the Office of Graduate Studies and Research. This reorganization was implemented to more effectively support scholarly activities of faculty and students. In 1994, Northeast Louisiana University, in cooperation with Louisiana Tech University and Grambling State University, formed the Louisiana Education Consortium, a uniquely and timely effort to offer the Doctor of Education degree at each campus. In the Fall of 1996, the Doctor of Philosophy in Marriage and Family Therapy admitted the first class of students. On August 27, 1999, the University officially changed its name to the University of Louisiana at Monroe. At the University of Louisiana System Board of Supervisors on March 7, 2008, the University of Louisiana at Monroe received approval to reorganize its Office of Graduate Studies and Research. ULM separated the existing Office of Graduate Studies and Research into the Graduate School and the Office of Sponsored Programs and Research.

The Graduate School, which changed its administrative leadership position to a Dean rather than a director, redirected its focus on increasing graduate enrollment. The Office of Sponsored Programs and Research bolsters the research, instructional, creative and community service goals already prevalent at ULM.

ULM has students enrolled from every parish in Louisiana, along with many from other states and foreign countries.

LOCATION

The University of Louisiana at Monroe's campus, one of the State's most attractive, is located in the eastern part of Monroe, a city whose metropolitan area population exceeds 100,000. Beautiful Bayou DeSiard flows through the 238-acre, tree-shaded site.

The city of Monroe is midway between Shreveport and Vicksburg, Mississippi. It is readily accessible from all sections of Louisiana and neighboring states. The University is on U.S. Highway 80, within four blocks of U.S. Highway 165 and two miles of Interstate 20. Monroe Regional Airport, three miles east of the University, is served by American Eagle, ASA Airlines, Continental Express, and Northwest Air Link Airline. Monroe city bus lines serve the University area.

Monroe's Civic Center, Strauss Playhouse, Masur Museum, West Monroe's Convention Center, and local parks offer cultural and popular programs, including sports events of all kinds. The beautiful Ouachita River, Bayou DeSiard, and many nearby lakes offer opportunities for fishing, boating, skiing, swimming, and picnicking.

ACCREDITATION AND PROFESSIONAL AFFILIATION

The University of Louisiana at Monroe is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate, bachelor's, master's, educational specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of the University.

The University is committed to the development of student learning assessment plans and the analysis and use of results.

Many of the departments and schools which make up the university are also accredited by specialized or professional accrediting agencies. The University is a member in good standing of the National Association of Schools of Music. The College of Business Administration is accredited by AACSB-International the Association to Advance Collegiate Schools of Business at the bachelor's and master's levels. The Accounting program also has separate accreditation by AACSB-International, the Association to Advance Collegiate Schools of Business. The teacher-preparation programs at the bachelor's, master's, and specialist degree level are accredited by the National Council for Accreditation of Teacher Education. The School Counseling, Community Counseling, and Substance Abuse Counseling Programs are accredited by the Council for Accreditation of Counseling and Related Educational Programs. The Marriage and Family Therapy Program is accredited by the Commission on Accreditation for Marriage and Family Therapy Education and the Council for Accreditation of Counseling and related Educational Programs. The School of Nursing is accredited by the Commission on Collegiate Nursing

Education, One Dupont Circle, N.W., Suite 530, Washington, D.C., 20036-1120. The Family and Consumer Sciences Department is accredited by the Council for Accreditation of the American Association of Family and Consumer Sciences and is also approved as a Vocational Teacher Training department. The Department of Chemistry is accredited by the American Chemical Society. The graduate program in Speech-Language Pathology is accredited by The Council on Academic Accreditation of the American Speech-Language-Hearing Association. The Occupational Therapy curriculum is accredited by the Accreditation Council for Occupational Therapy Education. The Dental Hygiene curriculum is accredited by the Commission on Dental Education of the American Dental Association. The Computer Science program in the College of Business Administration is accredited by the Computer Accreditation Commission of the Computing Sciences Accrediting Board for Engineering and Technology (ABET). The Social Work curriculum is accredited by the Council on Social Work Education. The Department of Communications is accredited by the Accrediting Council for Education in Journalism and Mass Communication. The School of Construction is accredited by the American Council for Construction Education. The Radiologic Technology curriculum is accredited by the Joint Review Committee on Education in Radiologic Technology. The Clinical Laboratory Science program is affiliated with hospitals which have schools of medical technology accredited by the National Accrediting Agency for Clinical Laboratory Sciences. The Doctor of Pharmacy program in the College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education. The College of Pharmacy is a member of the American Association of Colleges of Pharmacy, an organization whose mission is to promote pharmaceutical education and research. The University also holds membership in the following professional but non-accrediting agencies: American Association of Colleges for Teacher Education, American Association of Colleges of Pharmacy, American Association of Colleges of Nursing, American Association of State Colleges and Universities, American Council on Education, The Conference of Southern Graduate Schools and the American Council for Construction Education, and the Council on Collegiate Education for Nursing. Additionally, it is an Academic Affiliate of the University Corporation for Atmospheric Research. The American Association of University Women, of which the University is a corporate member, admits women graduates of the University of Louisiana at Monroe to national membership.

ROLE OF STUDENTS IN UNIVERSITY GOVERNANCE

The University of Louisiana at Monroe promotes student growth by developing and/or presenting programs and participatory experiences which reflect varied co-curricular, developmental, social and recreational

experiences. Student involvement in institutional governance is encouraged and enabled as student representatives serve on university panels, boards, and committees. ULM encourages students to serve as active participants in the everyday decision-making processes that shape and guide the university by providing E-mail, Web site, and print information on a regular basis in addition to granting full and equal press access to student reports.

NON-DISCRIMINATION POLICY

The University of Louisiana at Monroe recognizes that members of the University community represent different groups according to sex, color, creed, national origin, and physical or mental disability. The University further recognizes that, in a pluralistic society such as ours, these differences must be recognized and respected by all who intend to be a part of the University community.

It is not the intent of the University to dictate feelings or to mandate how individuals should personally interact with others. It is, however, the intent of the University that awareness of individual and group rights according to sex, race, color, creed, national origin, and physical or mental disability be regarded as important to the education of its students. Our ability to work in a pluralistic society demands no less.

It is with this in mind that the University does not permit any actions, including verbal or written statements, that discriminate against an individual or group on the basis of sex, race, color, creed, national origin, or physical or mental disability. Any action is a violation of the Student Code of Conduct. Complaints of discrimination should be made orally and in writing to the appropriate University Administrator.

UNIVERSITY LIBRARY

The purpose of the University Library, as adopted by the Library faculty, is to support the teaching, research, and service programs of the University. This shall be accomplished through instruction, networking, and access using the appropriate technology, acquisition, organization and maintenance of necessary information resources. The University Library shall also provide the optimum learning environment for its diverse users.

Occupied in 1999, the Library facility is state of the art in meeting the requirements of the Americans with Disabilities Act, electronic access to information, and service and space needs. The University Library has approximately 1,800 user seats, shelving to accommodate twenty years of growth and adequate staff work space. The Library includes a computer lab and a compressed video research room. The Library occupies 138,000 square feet and consists of five floors. A sixth floor for the University administration and a seventh conference floor are also included in the building.

The resources of the Library include 644,120 print volumes, including 199,356 state and federal documents, and 620,039 volumes in microformat. The Library is a

member of AMIGOS, which enables cataloging and bibliographic verification and interlibrary loan to be done via computer terminals connected on-line to the system headquarters. NEON, the Library's electronic catalog, is part of LOUIS, the state wide academic library catalog network. Being part of LOUIS, the Library also has access to EBSCOhost, which provides access to over 40,000 full-text electronic journals. In addition, LOUIS provides access to other bibliographic and abstracting sources via the Web. We also provide access to more than 35,000 electronic books via netLibrary.

All are welcome to use the resources of the University Library. To borrow library materials, one must have a valid ID card, be a member of the Friends of the Library, be enrolled in a cooperative program offered by other institutions, or acquire an Alumni Honorary Card.

Housed on open shelves, the Library's resources are located on five floors. The first floor is the focal point for information services. Located there are reference materials and unbound journals. Also on this floor are the Reference Office, Interlibrary Loan, and Circulation. On the second floor are the general collection materials, Government Publications, and Media Services. The University Office of Assessment and Evaluation is also on the second floor. The third floor houses general collection materials, Computer Services which maintains a 60-station computer lab, and the Teaching & Learning Resources Center. The fourth floor houses general collection materials, Technical Services, the Library Administration office, and the Friends of the Library Bell Tower Book Room. Special Collections and the Monroe Garden Study League Book Room are located on the fifth floor along with the general collection.

During the academic year, the Library is open from 7:30 a.m. until 12:00 Midnight, Monday through Thursday; from 7:30 a.m. to 1:00 p.m. Friday; and from 2:00 p.m. to 12:00 Midnight on Sunday. The Library is closed on Saturday. Hours during holidays are announced as necessary.

The Library staff consists of twenty-eight faculty and staff.

Library materials are protected by an electronic theft detection system. Use of the Library implies consent to the use of this equipment and gives the Library the right to detain and search a user when the equipment indicates probable cause for belief that a misuse of library materials has occurred.

FACILITIES

ACADEMIC BUILDINGS

ADMINISTRATION—BUSINESS ADMINISTRATION BUILDING, constructed in 1969, houses the Office of Graduate School and Office of Sponsored Programs and Research, College of Arts and Sciences Dean's Office, Registrar's Office, and some administrative offices on the first floor, and the College of Business Administration on the second floor. The Department of English is housed on the third floor.

AIRWAY SCIENCE CENTER—This 54,000 square foot building houses the Aviation Program, Computer Science Program, and the Mathematics and Physics Program. The Aviation Program facilities consist of four multimedia classrooms, a multimedia auditorium, and Aviation Computer Lab, and two rooms housing the department's three full motion flight simulators. The facility additionally houses administrative, faculty and related staff functions.

BAND BUILDING, constructed in 1973, houses the ULM Band, music faculty, and music rehearsal rooms.

BASEBALL STADIUM, built in 1982, contains 30,887 square feet and houses athletic coaches' offices, dressing rooms, training rooms and Technical Services.

BIEDENHARN HALL, the home of the School of Visual and Performing Arts and the Division of Music, was constructed in 1939, renovated in 1972 and again in 2003 with the addition of a new choral rehearsal hall, offices, student lounge, and a 280 seat recital hall. Facilities include practice rooms, classrooms, offices, ensemble rehearsal rooms and the music library.

BROWN HALL, the original building constructed in 1931 and completely renovated in 1972, houses the Department of Speech-Language Pathology, Foreign Languages, and History. A gymnasium which is a part of Brown Hall was renovated in 1977. In 1969, the Auditorium was renovated and a little theatre added. In 1982, a major renovation and construction project added approximately 10,000 square feet of floor space, including a laboratory theatre, and the ULM Speech and Hearing Clinic.

BRY HALL, constructed in 1939, and completely renovated in 1967, houses the School of Visual and Performing Arts Division of Art.

CALDWELL HALL, constructed in 1949 and renovated in 1980, contains classrooms, laboratories and offices for the departments of Dental Hygiene and Occupational Therapy.

CHEMISTRY AND NATURAL SCIENCES BUILDING, constructed in 1985, houses the Departments of Agriculture, Aviation, Chemistry, laboratories for the Department of Biology, and the Soils-Plant Analysis Laboratory.

COLLEGE OF PHARMACY BUILDING, purchased in 2005, is located on 23 acres on Bienville Avenue and houses the College of Pharmacy. Renovations began in 2006, and it will be one of the most modern pharmacy complexes in the country. The entire space of the building is more than 130,000 square feet and includes administration areas, state of the art smart and distance education classrooms, areas for student activities, study areas, faculty offices, the Office of Outcomes and Economic Research, and instructional and research laboratories for the College of Pharmacy.

CONSTRUCTION BUILDING, constructed in 1981, houses the School of Construction.

FANT-EWING COLISEUM, constructed in 1971, houses the Department of Kinesiology and is used as a general assembly building. Home basketball games are played in the Coliseum.

FILHIOL HALL, constructed in 1957 and renovated in 2003, houses the Department of Family and Consumer Sciences.

GARRETT HALL, constructed in 1962, houses the Department of Biology.

HANNA HALL, constructed in 1966, houses classrooms and some faculty offices as well as the Department of Geosciences and the Natural History Museum and International Student Programs and Services.

NURSING BUILDING, constructed in 1981, includes administrative offices, areas for student activities, classrooms and instructional laboratories for the School of Nursing and for programs in Clinical Laboratory Science and Radiologic Technology.

STRAUSS HALL, constructed in 1973, houses the College of Education and Human Development, the Departments of Instructional Leadership and Counseling, Psychology, and Curriculum and Instruction.

STUBBS HALL, constructed in 1956, houses the Departments of Criminal Justice, Social Work, Gerontology, Sociology and Political Science, Art Department studios, Department of Communication, Department of Communication radio and television studios, and film, audio, and journalism laboratories, along with offices and general classrooms.

SUGAR HALL, constructed in 1971 houses the College of Health Sciences. The facility includes administration areas, areas for student activities, study classrooms, and instructional laboratories for the College of Health Sciences.

UNIVERSITY LIBRARY AND CONFERENCE CENTER—Ground-breaking ceremonies were held April 25, 1996 for the new library construction project. The construction was completed in Spring 1999. The entire space of the new library is more than 200,000 square feet, with approximately 170,000 square feet comprising the library. University administrative offices are housed on the sixth floor and a conference center is located on the seventh floor.

AUXILIARY BUILDINGS

ACTIVITY CENTER. The Activity Center serves as one of the finest recreational/fitness facilities in the south. The \$5 million student-funded facility opened March 1, 1993. The 88,000 square foot complex houses the Recreational, Intramural, and Wellness programs. The facility includes: 5 multi-purpose courts (basketball, volleyball, and badminton), 6 glass wall racquetball/wallyball courts, a 2300 square foot group exercise room; a 4200 square foot weight room with machines and free weights; a cardiovascular/fitness area with stationary bikes, stairmasters, elliptical trainers, rowing machines, treadmills and stretching area; an elevated cushioned jogging track (6.5 laps/mile) with pace clocks; men's and women's locker rooms each equipped with sauna and steam room; a lounge area with big screen TV and refreshment center; a service center for equipment check-out, towel rental, and locker rental.

AGRICULTURAL MECHANIZATION SHOP, an agricultural laboratory facility, is located on the ULM Johnson Farm about four miles east of the main campus on U.S. Highway 80. Laboratories in animal science and agronomy are held in this facility. This building is also utilized for special events such as judging contests and Block and Bridle Club activities.

ANNA GRAY NOE ALUMNI CENTER is located on the east bank of Bayou DeSiard. It was the first building on the campus to be built with private gifts. The Center houses all alumni operations including offices, meeting rooms, and a social room. The building was occupied in July, 1974.

BROWN STADIUM, constructed in 1967, contains athletic coaches offices, military science facilities, and Graphic Services.

CLARKE M. WILLIAMS STUDENT SUCCESS CENTER, offers group study and counselor rooms, multi-media rooms, and perhaps most significant, a computer lab for students who have to divide their time between work and study. Students also benefit from a full-time advising staff to assist them in planning their course loads and exploring career options and to provide academic support services.

LAYTON RIDING ARENA, the equestrian science facility, is located about three miles east of the main campus on U.S. Highway 80. The arena is utilized by classes as well as by members of the Block and Bridle Club for practice and is available for special events such as horse shows, judging contests, playdays, and the Annual ULM Rodeo.

JIM SHIPP MEMORIAL PAVILION, the therapeutic equestrian science facility, is located on the ULM Layton Farm about three miles east of the main campus on U.S. Highway 80. The covered arena allows equine science classes to be held in all weather situations. The equine stables house the horses and tack for the riding classes.

STUDENT HEALTH AND COUNSELING CENTER is located on the corner of LaSalle and University Avenue. It was completed in 2005 and houses Student Health Services and the Counseling Center.

The STUDENT UNION BUILDING and the STUDENT CENTER was constructed in 1938 and renovated with a large addition in 1962. The SUB, as it is sometimes called, is considered the gathering place for students, faculty and staff members, alumni, and friends of the University. The SUB and the Student Center had major renovations during 2006 with funding raised by self-assessed fees from the students of ULM. The renovated facilities include a ballroom, meeting rooms, SGA and Campus Activities Board offices, computer lab, Student Copy Center, social areas, and the University Food Court.

THE UNIVERSITY BOOKSTORE is your one-stop resource for textbooks, stationery, and everything the student needs for success in the classroom such as backpacks, notebooks, pens, and binders. The store also offers a large variety of apparel adorned with the school logo, including hats, caps, t-shirts, shorts, and sweats in sizes from infants to XXXL. Online ordering is also available at the store's website, www.ulmbookstore.com.

LA CAPITOL FEDERAL CREDIT UNION is located on Northeast Drive in University Commons II. La Capitol Federal handles the fee payment and deposit functions for the University, in addition to being a full service Credit Union.

THE UNIVERSITY POST OFFICE, located on the 1st floor of the Student Union Building, provides facilities for the purchase of stamps, envelopes, postal cards, and other postal services. A post office box is furnished to each resident student for incoming mail and official ULM correspondence. Each student living on campus is required to register for a box as part of the University registration procedure. Off-campus students and the University of Louisiana at Monroe affiliated organizations may rent a post office box (subject to availability) at a rate of \$6.00 per semester (fees subject to change) payable in advance. Organizations are required to pay annually, effective each January 1.

UNIVERSITY POLICE is located at the corner of McGuire Street and Claiborne Street. Police and information services are provided 24 hours every day of the year. Parking management and vehicle registration are both a function of University Police and both located in the police building.

LAKE C. OXFORD NATATORIUM is located on the corner of Bon Aire and Stadium Drive. It was completed in 1979 and renovated in 1996 and 2006. There are two heated pools; a 10-lane Olympic 50-meter by 25-yard swimming pool and a 12 1/2 by 25-yard diving well. There are two one-meter diving boards and two three-meter diving boards. The Natatorium features everything from swimming and diving to water fitness, lifeguard training, and water safety classes. It offers a relaxed atmosphere where students can study, picnic, or recreate on the sundeck or on one of the numerous tables inside the facility. Students can go boating down the bayou by checking out a canoe or paddleboat with their I.D. With its sundeck overlooking the east bank of the beautiful Bayou DeSiard, the Natatorium offers another dimension for the educational, as well as, social environment of the student.

MALONE STADIUM, one of the most modern football complexes in the nation, seats 30,427 people. The seating is located on two levels and provides an excellent view from any seat in the stadium. Malone Stadium also features a double level press box which seats over 200 people. Additional seating for booster groups is located beneath the press box facility. The field is natural turf and features a modern sprinkler system and an excellent drainage system. Two scoreboards with electronic message boards are located at both ends of the field. Concession and rest room areas are located on the second, third, and press box levels. Permanent concession and rest room facilities are also available on the east stands.

Malone Stadium contains an athletic field house which houses all athletic offices and provides facilities for football training and other services. It features the Director of Athletics' office, all football coaches' offices, the Sports Information offices, training rooms, dressing rooms,

equipment rooms, weight rooms and an indoor work-out area.

HEARD STADIUM, the tennis facility, was constructed in 1976 and has a seating capacity of 515. It contains dressing rooms and offices for women's tennis.

RESIDENTIAL BUILDINGS

ULM has a total of six residence halls and "the Village" apartment complex.

"Bayou Village" Apartments are 4 bedroom / 2 baths; 2 bedroom / 2 baths; and 1 bedroom / 1 bath units. These apartments are for students who have completed at least 24 semester hours of college credit work with a 2.3 cumulative grade point average (GPA). All units are fully furnished and pricing includes utilities, phone, high speed internet, cable TV with HBO and washer and dryer in each unit. For more detailed information contact the Office of Residential Life at 318-342-5240.

Bayou Suites/University Commons I and II: There are 2 bedroom / 1 bath suites and 1 bedroom / 1 bath shared suites. The building is co-ed, but the individual rooms are single sex. They are inside corridor buildings. Each room has high-speed Internet access, extended cable with HBO, local phone service, ceiling fans in each bedroom, and the suite has individually controlled heat and A/C. There is a laundry facility on each floor and the building has controlled access.

Madison (male) and Ouachita (female) are newly renovated residence halls with suite style rooms, high speed internet, individually controlled heating and cooling units, and connecting baths.

Masur Hall (Co-ed within the building, but same sex within a suite or by floor.) Large suite-style rooms with connecting baths, cable with HBO and telephone connections.

SPECIAL FACILITIES AND PROGRAMS

AGRICULTURAL FARM LABORATORIES

The 500 acre Morris and Ella Johnson Farm laboratory, located about four miles from the campus, began operation during 1986. Row crops include corn, wheat, soybeans, grain, sorghum, and cotton. Field crop research includes variety and pesticide trials including economic and agronomic evaluations of results. The farm houses a herd of purebred Angus cattle and a herd of commercial crossbred cattle, and a small goat herd. These animals are used for teaching and research purposes.

The Layton Farm is an equine facility utilized for classes, demonstrations, judging contests, seminars and research. Housed at the equine operation are horses of various breeds which are used for breeding, riding and research purposes. Included at the farm is the Jim Shipp Memorial Pavilion, a riding center established for the ULM Therapeutic Riding Program and the equitation courses. The pavilion is also made available for use by the ULM Block and Bridle Club.

CENTER FOR BUSINESS AND ECONOMIC RESEARCH

The Center for Business and Economic Research functions to stimulate research activities of the faculty and to serve the business and industrial populace of Northeast Louisiana in solving business and economic problems of the area. The Center gathers, analyzes, interprets and disseminates statistical information resulting from investigations of potential economic significance to the Northeast Louisiana area.

CHILD DEVELOPMENT LABORATORY

The Family and Consumer Sciences Child Development Laboratory is an on-site child care facility for three- and four-year old children of ULM faculty and staff members. It is designed with a two-fold purpose: (1) to provide laboratory facilities for university students enrolled in child development courses in Family and Consumer Sciences and other areas, and (2) to provide an environment away from home where wholesome development of the young child is promoted.

Facilities and equipment are provided for children to participate in experiences in art, music, literature, science, social studies, dramatic play, and for outdoor play and large muscle development. Office space is provided for parent-teacher and student conferences and for student assisting and observing in the Child Development Lab.

COMPUTING CENTER

The ULM Computing Center provides a wide variety of computing and network services for faculty, students, and administration. Centralized computing resources include an IBM mainframe and combination of Dell and Sun servers. The campus network is extended to 61 buildings of which 31 are connected via fiber. This network extends IP based Internet and Internet 2 service to departmental networks as well as stand alone personal computers. Services include: network support (wired and wireless), training and orientation, configuration design and hardware specifications, site license software distribution, test grading, assistance with instructional media, and web and database development. For further information, see the ULM Web page at HYPERLINK "<http://www.ulm.edu>".

HONORS PROGRAM

The University Honors Program provides a unique learning opportunity for students with exceptional academic abilities. Non-traditional classes, special sections of traditional classes, and opportunities for increased interaction with faculty members and other students of similar abilities provide an individualized atmosphere for learning that is both stimulating and personal. Students who are accepted into the Honors Program will receive a well-rounded education in combination with their major.

The Program is open to students in all majors. In addition to a core of Honors courses in English (9 hrs.), history (9 hrs.), mathematics (2 hrs.), fine arts (3 hrs.), and speech (3 hrs.), students will complete six hours of

math at or above 111, eleven (11) hours of natural science courses (required lecture and laboratory courses for science majors), six (6) hours of foreign languages above the beginning level, six (6) hours of social sciences at the 300 or 400 level, two (2) hours of Honors Colloquium and three (3) hours of Honors Seminars. During their junior and senior years, they will work closely with a specialist in their major who will help them to choose and then supervise a special Honors Project. Successful completion of all requirements and a cumulative grade point of at least 3.3 will qualify the student for graduation as a University Honors Student and bring with it the University Certificate of Honors Program Completion.

The Program is administered by the University Honors Council which includes the President of the Student Honors Board.

LOUISIANA DRUG AND POISON INFORMATION CENTER

The Louisiana Drug and Poison Information Center was established at The University of Louisiana at Monroe by an act of the Louisiana Legislature in 1991. The Center is currently a collaborative project between the ULM College of Pharmacy and the LSU Health Sciences Center in Shreveport. This 24-hours-per-day state-wide Center is Louisiana's only publicly supported Poison Information Center and provides a vital emergency resource in the acute management of poisoning and other toxic exposures throughout the State.

LOUISIANA INSTITUTE OF TOXICOLOGY

The Louisiana Institute of Toxicology conducts interdisciplinary research on fundamental issues involving toxic chemicals, environmental pollution, and public health. The Institute provides a focus for scholarly activities directed towards the development of new technologies and procedures for toxic substance control and management and serves as a resource for consultation in service to the State of Louisiana in toxicological and environmental matters which may effect public health.

STUDENT SUCCESS CENTER

MISSION STATEMENT

In accord with the mission of the University of Louisiana at Monroe, the Student Success Center strives to increase the quality of education and services offered to our students. The SSC encourages and assists students in the exploration of their interests, the pursuit of their goals, and the development of their intellectual knowledge and skills as they strive to reach their full potential. The goals of the SSC are achieved through the delivery of:

- Professional Academic Advising
- Freshman Year Seminar
- Comprehensive Academic Enhancement Programs
- Technological Support
- Effective Referral System

PURPOSE

The Student Success Center office, located in the Clarke M. Williams Student Success Center, is staffed by academic advisors who work with undeclared students, pre-pharmacy majors, health science majors, and other identified students to provide individualized academic advising and career planning.

The Student Success Center also administers the Supplemental Instruction programs for Biology and Chemistry. Academic enhancement workshops, mentoring, Probation Assessment and Student Success (PASS), Learning Communities, the Summer Reading Program, and Emerging Scholars are also part of the Center's programs.

The SSC also offers services to all ULM students. These services include tutoring in Biology, Chemistry, Economics, and Math, the ADAM biology program, practice exams for the Praxis and Graduate School exams, DISCOVER Career Exploration, "What Can I Do With a Major in..." Mavis-Beacon typing practice, Internet access and word processing computer terminals.

The SSC develops, implements, and manages the Freshman Year Seminar (FRYS 101), a one credit hour, University required course for first semester students. College specific as well as special sections for adult learners are offered.

The SSC also partners with the ULM English Department to support tutoring and the "Write Place" located in the Administration Building, Room 3-88. The SSC provides tutoring in Accounting in the Accounting Department in the Administration Building.

THE ARMY RESERVE OFFICERS TRAINING CORPS (ROTC)

The Department of Military Science emphasizes developing leadership and management skills required in both military and civilian employment. Classes include training in confidence building exercises such as rappelling, water survival training and land navigation, as well as dynamic classes in military history, military skills, tactics and organizational skills. Training is divided into a two-year Basic Course and a two-year Advanced Course.

The Basic Course is open to any ULM student. It is usually taken during the student's freshman and sophomore year. Courses can be taken in any order—none have prerequisites—and the 100 and 200 courses can be taken simultaneously. The Basic Course has "NO" military obligation. One hundred level students meet for one hour of classroom instruction each week, along with one hour of leadership lab each week. Two hundred level students meet for two hours of classroom instruction each week, along with two hours of leadership lab each week. Credit for all or part of the Basic Course may be granted to students who have attended Basic Training. The Basic Course can be substituted by attending the ROTC Leadership Training Course (LTC), a 34-day paid leadership camp at Fort Knox, Kentucky. Students who attend may qualify for a two-year scholarship.

Admission to the Advanced Course is on a competitive basis, open to full-time undergraduate and

graduate students who have completed the ROTC Basic Course, ROTC Basic Camp, or any military basic training, and who are in good academic standing (minimum cumulative GPA of 2.0) with the University. Students must demonstrate leadership potential, pass an aptitude test and a medical exam. Upon contracting into the Advanced Course, cadets receive a tax-free subsistence allowance of \$350-\$500 per month (up to \$2,500 each year), in addition to earning other financial assistance through numerous programs. Cadets attend three hours of classroom instruction and two hours of practical application training each week, as well as participate in a physical fitness program. Students also participate in at least one weekend field training exercise each semester. After completing the first year of the Advanced Course, students attend a five-week Advanced Camp at Fort Lewis, Washington. Training includes participating in practical leadership and management exercises, weapons qualification, and execution of infantry tactics. Students are paid approximately \$1,200 for the training, plus full travel allowance, as well as room and board. Additional training such as Airborne, Air Assault, Mountain Warfare School, or Northern Warfare School are also available. Cadets must also fulfill the professional development program required for lieutenants prior to commissioning.

After completing all program requirements, cadets are commissioned into either the U.S. Army, Army Reserve, or National Guard to fulfill a service obligation. This assignment and branch of utilization will depend upon the

desires of the individual, the student's performance and qualifications, as well as the needs of the Army.

Numerous financial and educational programs are available through the Military Science Department. Army ROTC Scholarships are awarded to students in good academic standing who have displayed leadership in campus activities. These scholarships pay tuition, books and fees, and also provide \$350-\$500 per month subsistence.

A number of extracurricular activities are offered. Students may participate in the Ranger Challenge Military Skills Team or the Ranger Company. The ULM Military Science Department sponsors a Ranger Challenge Team that competes with 21 universities in Mississippi, Alabama, and Louisiana. The Ranger Challenge Team competes in eight military events: The Army Physical Fitness Test, One-Rope Bridge, Grenade Throw, M16 Rifle Marksmanship, Weapons Assembly, 10K Road March, Land Navigation, and Patrolling.

A minor in Military Science is offered and may be selected by students with the approval of their academic dean and the Professor of Military Science. A minimum of nineteen credit hours must be earned in Military Science for it to be considered an academic minor.

As an integral part of their undergraduate education, in addition to other requirements, prospective officers are required to complete successfully at least one course in Military History prior to commissioning.

UNDERGRADUATE DEGREES AND CERTIFICATES*

Associate of Arts (A.A.)
 Associate of General Studies (A.G.S.)
 Associate of Science (A.S.)
 Bachelor of Arts (B.A.)
 Bachelor of Business Administration (B.B.A.)
 Bachelor of Fine Arts (B.F.A.)
 Bachelor of General Studies (B.G.S.)
 Bachelor of Music Education (B.M.E.)
 Bachelor of Science (B.S.)

PROGRAMS OF STUDY

Concentrations are available in some majors.

Major	Degree	Department/School
Accounting	B.B.A.	Accounting
Agribusiness	B.S.	Agriculture
Art	B.F.A.	Visual and Performing Arts
Concentrations:		
Ceramics		
Drawing		
Graphic Design		
Painting		
Photography		
Printmaking		
Sculpture		
Art Education (K-12)	B.A.	Curriculum and Instruction
Atmospheric Sciences	B.S.	Geosciences
Aviation	B.S.	Management and Aviation
Biology	B.S.	Biology
Biology Education (6-12)	B.S.	Curriculum and Instruction
Care and Development/Young Children	A.S.	Family and Consumer Sciences
Chemistry	B.S.	Chemistry
Concentrations:		
American Chemical Society Certified		
Non-ACS-Certified		
Chemistry Education (6-12)	B.S.	Curriculum and Instruction
Clinical Laboratory Science	B.S.	Clinical Laboratory Sciences
Communication Studies	B.A.	Communication
Computer Information Systems	B.B.A.	Computer Information Systems and Computer Science
Computer Science	B.S.	Computer Information Systems and Computer Science
Construction Management	B.S.	Construction
Criminal Justice	A.A.	Criminal Justice
Criminal Justice	B.A.	Criminal Justice
Dental Hygiene	B.S.	Dental Hygiene

*See Catalog of Graduate and Professional Programs 2008-2009 for graduate programs and offerings.

Earth Science Education (6-12)	B.S.	Curriculum and Instruction
Economics	B.B.A.	Economics and Insurance
Elementary Education (1-5)	B.S.	Curriculum and Instruction
English	B.A.	English
English Education (6-12)	B.A.	Curriculum and Instruction
Entrepreneurship	B.B.A.	Entrepreneurship
Family and Consumer Sciences	B.S.	Family and Consumer Sciences
Concentrations:		
Family Life/Child Development		
Interior Design		
Family and Consumer Science Education (6-12)	B.S.	Curriculum and Instruction
Finance	B.B.A.	Finance
Foreign Languages-French	B.A.	Foreign Languages
Foreign Languages-Spanish	B.A.	Foreign Languages
French Education (K-12)	B.A.	Curriculum and Instruction
General Business	B.B.A.	General Business
General Studies	A.G.S.	Arts and Sciences Dean's Office
General Studies	B.G.S.	Arts and Sciences Dean's Office
Health and Physical Education (K-12)	B.S.	Kinesiology
Health Studies	B.S.	Health Studies
Options:		
Pre-Professional Health Studies		
Healthcare Management/Marketing		
Online Healthcare Management/Marketing		
History	B.A.	History
Kinesiology	B.S.	Kinesiology
Concentrations:		
Health and Physical Education (Certification)		
Exercise Science		
Community Health Education and Promotion		
Fitness and Sports Studies		
Management	B.B.A.	Management and Aviation
Marketing	B.B.A.	Marketing
Mass Communications	B.A.	Communication
Mathematics	B.S.	Mathematics and Physics
Mathematics Education (6-12)	B.S.	Curriculum and Instruction
Music	B.M.	Visual and Performing Arts
Concentrations:		
Instrumental Music Performance		
Music History and Literature		
Music Theatre		
Music Theory and Composition		
Piano Pedagogy		
Voice Performance		
Music Education-Instrumental (K-12)	B.M.E.	Curriculum and Instruction
Music Education-Vocal (K-12)	B.M.E.	Curriculum and Instruction
Music Education-Vocal/Instrumental (K-12)	B.M.E.	Curriculum and Instruction
Nursing	B.S.	Nursing
Occupational Therapy Assistant	A.S.	Occupational Therapy
Political Science	B.A.	Gerontology, Sociology and Political Science
Psychology	B.A.	Psychology
Radiologic Technology	B.S.	Radiologic Technology
Risk Management and Insurance	B.B.A.	Economics and Insurance
Social Studies Education (6-12)	B.A.	Curriculum and Instruction
Social Work	B.A.	Social Work
Sociology	B.A.	Gerontology, Sociology and Political Science
Spanish Education (K-12)	B.A.	Curriculum and Instruction

Speech Education (6-12)
Speech-Language Pathology
Toxicology

B.S.	Curriculum and Instruction
B.S.	Speech-Language Pathology
B.S.	Pharmacy

PRE-PROFESSIONAL AND NON-DEGREE PROGRAMS

Pre-Professional/Non-Degree

Pre-Clinical Laboratory Science
Pre-Dental Hygiene
Pre-Nursing
Pre-Occupational Therapy Assistant
Pre-Pharmacy
Pre-Radiologic Technology
Pre-Social Work
Pre-Speech-Language Pathology
Undeclared/Interim
Pre-Veterinary Medicine

Programs Department/School

Clinical Laboratory Science
Dental Hygiene
Nursing
Occupational Therapy
Pharmacy
Radiologic Technology
Social Work
Speech-Language Pathology
Arts and Sciences
Agriculture

PREMEDICINE, PREDENTISTRY AND PREOPTOMETRY

DR. DEBRA JACKSON and DR. ALLISON WIEDEMEIER,
Premedical Student Advisor
CNSB 300/301

Department of Biology
University of Louisiana at Monroe
Monroe, LA 71209
Phone: (318) 342-3304 or (318) 342-6917
email: djackson@ulm.edu
awiedemeier@ulm.edu

CHOICE OF MAJOR

Most medical and dental schools have recognized the importance of a broad education with a strong foundation in the natural sciences, well-developed communication skills and a good background in the social sciences and humanities. Any academic major is appropriate provided it is flexible enough to include basic premedical requirements. Recent admissions data published by the Association of American Medical Colleges indicated that about 47% of all applicants majored in biological sciences, 19% in physical sciences and 34% in liberal arts and other areas. The University of Louisiana at Monroe offers a diversity of suitable and interesting undergraduate programs, and excellent pre-professional advising and preparation for students wishing to enter the medical and dental professional schools.

REQUIRED COURSES FOR PREMEDICAL STUDENTS

The minimal course requirements for admission to most medical schools are given below. These courses also prepare a student for the Medical College Admission Test (MCAT). All courses listed must be taken for a grade.

Biology:

(one year with laboratory experience)

Biology 120, 121 (Principles of Biology lecture and lab)
Biology 214, 215 (Introductory Microbiology lecture and lab)

Other courses such as Comparative Anatomy lecture and lab (Biology 316), Human Physiology lecture and lab (Biology 311, 312, 313), Genetics lecture and lab (Biology 305, 306) and Embryology lecture and lab (Biology 424) are recommended.

Chemistry:

(two years in chemistry major course sequence: one year inorganic chemistry, one year organic chemistry)

Chemistry 107, 109, 108, 110 (General Chemistry lecture and lab)
Chemistry 230, 231, 232, 233 (Organic Chemistry lecture and lab)

Biochemistry (Chemistry 350, 351, 352) is strongly recommended.

Physics:

(one year covering mechanics, electricity, magnetism, heat, light and sound)

Physics 203, 204, 209, 210 (General Physics, lecture and lab)

English:

(one year of composition)

English 101, 102 (Composition)

Advanced Composition (English 326) is highly recommended.

OTHER COURSE INFORMATION

CLEP credits, Advanced Placement (AP) credit and correspondence courses will not substitute for required premedical courses. Students with AP credit must take courses beyond introductory courses waived by AP credit. All courses taken (including repeated courses) are counted towards the GPA on medical college applications. See the premedical advisor before repeating a class. Additional information on individual medical college requirements is available in the book, Medical School Admissions Requirements, published by the AAMC. The MCAT Student Manual provides information on the MCAT. It is a good idea to visit the admissions page on the web-site of the professional school of your choice, at your earliest opportunity.

EXTRACURRICULAR ACTIVITIES

Activities outside of the classroom can enhance an applicant's chances for admission. Involvement in extracurricular activities may showcase an individual's leadership skills, organization skills and communication abilities. Community service and experience with some aspect of the medical profession are also desirable. The University of Louisiana at Monroe has a chapter of the premed honor society, Alpha Epsilon Delta (AED), which meets regularly and offers additional opportunities for involvement and insight into the medical profession.

ADVISING

The faculty at the University of Louisiana at Monroe have a strong commitment to student advising. This is particularly critical for students working towards admission to professional programs because of specific requirements that may differ from school to school or change over time. Students are advised each semester before registering to ensure that class schedules are appropriate to their graduation goals. Advisors can also inform premedical students of news and events of interest and can assist them with the medical school application process.

OTHER HEALTH PROFESSIONS

Students interested in attending other related health care fields such as dental school, optometry school, physical therapy school, podiatry school and physician assistant programs are advised as well. Students should consult with the premedical advisor for specific guidance for these programs.

RECRUITMENT AND ADMISSIONS

RECRUITMENT/ADMISSIONS

The Office of Recruitment is committed to assisting prospective students in the decision-making process of choosing the right university for their higher education studies. Our Enrollment Counselors encourage prospective students to attend ULM by providing information about the academic advantages and opportunities our University offers. Our counselors promote campus tours, inform students of the available school services, provide informational brochures and application packets, conduct college information/career day programs, and coordinate and sponsor special recruiting events. They also assist high school counselors, community colleges and businesses in their effort to encourage prospective students to attend ULM.

The Office of Recruitment is also responsible for Student Orientation. Orientation serves as an opportunity to become familiar with all aspects of the University. New freshmen who have been accepted for the fall semester are required to attend one of the five scheduled sessions during the summer. Students will meet with advisors, schedule their fall classes, meet new friends, and become knowledgeable about our campus. Orientation sessions are also offered to parents which will help their son or daughter make the transition from high school much easier. Students and parents will receive information by mail to pre-register for the summer orientation program.

The Office of Admissions is responsible for the processing of all applications for admission without regard to race, creed, color, religion, sex, national origin, age, physical or mental handicap, marital status, or veteran's status. The Admissions Office accepts and certifies the validity of transcripts and ACT/SAT test scores for high school and college transfer students.

The Office of Admissions serves as the point of contact for students who need assistance with establishing Louisiana residency for tuition purposes in accordance with State Board regulations and establishes eligibility for and processes the out-of-state fee waiver.

All students are encouraged to apply for admission. ULM offers students who do not meet eligibility requirements the right to appeal for admission to the University. The Appeals Committee's decision will be affected by the student's potential for success and the need to enhance the University's demographically diverse student population, as well as age, ethnic background, experience, and talent.

The Office of Recruitment/Admissions is located in Sandel Hall. For more information concerning admission to ULM, please call (318) 342-5430 or toll free (800) 372-5127 or e-mail admit@ulm.edu. To schedule a campus tour or to receive additional information about our University, please call (318) 342-3806 or toll free (800) 372-5127 or e-mail hawkseekers@ulm.edu.

ADMISSION TO THE UNIVERSITY

GENERAL ADMISSION POLICY

For admission as a regular undergraduate student, an applicant must be a graduate of an accredited high school. A graduate of a non-accredited high school, however, may apply for admission, acceptance of which will be determined by the Recruitment/Admissions Office. Students who have received a high school equivalency diploma from a high school on the basis of completing the General Education Development (GED) tests may apply for admission to the freshman class. Students' registration at the University may be canceled at any point during the semester if they are determined not to have a high school diploma or GED.

Every degree-seeking beginning freshman and every undergraduate transfer student (full-time or part-time) who has earned fewer than 12 semester hours (exception: adult learners) must complete the American College Test (ACT) or Scholastic Aptitude Test (SAT) and have official scores sent to ULM directly from ACT or SAT. Since certain courses (English/mathematics) have ACT/SAT prerequisites, all students are required to have official ACT or SAT scores sent prior to their enrollment.

All applicants entering through any type of application for admission or readmission must submit the non-refundable application fee. Only general admission is offered to applicants by the Admissions Office. For admission requirements to degree and professional programs, see the appropriate sections of the catalog by college.

The University reserves the right to deny admission in instances which would be detrimental to the student or which would interfere with the capacity of other students to benefit from the educational experience.

Please refer to the Admissions Enrollment Eligibility Policy section for additional information.

ADMISSION BY UNDERGRADUATE APPLICATION

BEGINNING FRESHMEN (under age 25):

1. Complete and submit an undergraduate application for admission with the appropriate application fee. NOTE: Students may visit the ULM website at www.ulm.edu and connect to the Prospective Students link to complete and submit an application electronically.
2. The Admissions Office will request high school transcripts electronically for all in-state students. Home-schooled and out-of-state students must provide a copy of their current high school transcripts. After graduation, home-schooled and out-of-state students must also provide an official high school transcript which specifically notes the

final grades and graduation date, by mail to the University of Louisiana at Monroe, Recruitment/Admissions Office, Monroe, LA 71209-1160.

3. Students who have a GED (high school equivalency diploma) should submit the official GED examination results.
4. Complete the American College Testing (ACT - University Code 015980) or Scholastic Aptitude Test (SAT - University Code 6482) Program tests and request that the scores be mailed directly to The University of Louisiana at Monroe. The ACT/SAT scores must be received prior to a student's enrollment. ACT tests are given at designated centers throughout the United States on five established dates during the year—October, December, February, April, and June. In certain foreign countries, the tests are given at designated centers in October, December, February, and March. Registration for the tests must be made to the ACT Registration Department, P.O. Box 414, Iowa City, Iowa 52240 approximately one month in advance of the desired test date. Registration information can be obtained at the ACT website "www.ACT.org" or by calling (319)337-1270. Detailed information and application forms may also be obtained from high school principals or counselors, or from the ULM Office of Recruitment/Admissions (318)342-5430. The SAT is administered six times annually. Additional information is available at www.collegeboard.com.

	(one unit)
1	American History
1	World History, Western Civilization, or World Geography
1/2	Free Enterprise
1/2	Civics
1	Fine Arts Survey (or substitute two units of performance courses in music, dance and/or theatre, or substitute two units of visual art, or substitute one unit of an elective from among the other subjects listed in this core curriculum)
2	Foreign Language (two units in the same language)
1	Unit of advanced math or advanced science
1/2	Computer Science, Computer Literacy, or Business Computer Applications (or substitute at least one-half unit of an elective course related to computers approved by the State Board of Elementary and Secondary Education or one-half unit as an elective from among the other subject as listed in this core curriculum)
17.5	TOTAL CORE CURRICULUM UNITS

All students are encouraged to apply for admission. Students not meeting the above criteria will be considered for admission based on an individualized evaluation of their likelihood of success at ULM.

BEGINNING FRESHMEN ADULT LEARNER (25 OR OLDER)

Student must be a high school graduate or have a GED (General Educational Development equivalency diploma). To apply for admission, submit the credentials listed below to the University of Louisiana at Monroe, Office of Recruitment/Admissions, Monroe, LA 71209-1160.

1. Complete and submit an undergraduate application for admission with the appropriate application fee. NOTE: Students may visit the ULM website at www.ulm.edu and connect to the Admissions link to complete and submit an application electronically.
2. Submit an official copy of their high school transcript which includes graduation date or official GED results.
3. If American College Test (ACT - University Code 015980) or Scholastic Aptitude Test (SAT - University Code 6482) was taken, submit official scores to the University of Louisiana at Monroe. These scores will be used to determine developmental course requirements or students have the option to take test-out examinations.

The requirements listed above are for general admission only. Admission to specific/professional degree programs will be determined by the particular academic department.

Selective Admissions Criteria for Fall 2008 Beginning Freshmen (under age 25):

Fall 2008 Minimum Admission Requirements

- Louisiana residents must complete the Regents Core (see below)
- AND
- Present a minimum score of 18 in English or 19 in Math on the ACT (SAT=450 verbal or 460 Math)
- AND
- High School Cumulative GPA of 2.0 or
- ACT Composite Score of 20 or
- High School graduation rank of 50%

REGENTS CORE

UNITS	COURSE
4	English I, English II, English III, English IV
1	Algebra I (one unit) or Applied Algebra 1A and 1B (two units)
1	Algebra II
1	Geometry, Trigonometry, Calculus, or an approved advanced math substitute
1	Biology
1	Chemistry
1	Earth Science, Environmental Science, Physical Science, Biology II, Chemistry II, Physics, Physics II, or Physics Technology

TRANSFER STUDENTS (under age 25)

1. Complete the application for admission and submit with application fee. NOTE: Students may visit the ULM website at www.ulm.edu and connect to the Prospective Students link to complete and submit an application electronically.
2. Request the Registrar of each college or university previously attended to forward to the Recruitment/Admissions Office a complete and official transcript of work. An official transcript is defined as one mailed directly from one institution to another. It bears the institution's seal, the signature of the registrar, and the date of issuance.
3. Submit scores of the American College Testing (ACT - University Code 015980) Program or Scholastic Aptitude Testing (SAT - University Code 6482) tests if the applicant has earned fewer than 12 semester hours from a regionally-accredited institution. ULM reserves the right to require ACT scores on transfer students if grades earned do not reflect satisfactory college level performance.

Selective Admissions Criteria for Transfer Students (under age 25):

Students who have earned a minimum overall grade-point average of 2.00 from a regionally accredited institution will be considered for admission (A) if they have completed at least 12 semester hours of college-level credit with no more than one remedial course requirement, or (B) if they have completed fewer than 12 semester hours of college level credit but meet ULM freshman admission requirements.

The requirements listed above are for general admission only. Admission to specific/professional degree programs will be determined at the college level.

All students are encouraged to apply for admission. Students not meeting the above criteria will be considered for admission based on an individualized evaluation of their likelihood of success at ULM.

Applicants with previous college or university work from regionally accredited institutions may apply for admission if eligible to return to the college or university from which they are transferring. The Recruitment/Admissions Office will make an acceptance evaluation upon receipt of the application and official transcripts from each college and university previously attended. Transcripts of students who enroll are retained by the University for its official files.

Students will be admitted on probation according to current probation policy.

Transfer students will be placed on Provisional Academic Probation until all official transcripts have been received and their academic status has been determined. Those students placed on Provisional Academic Probation will be suspended from the University should they fail to earn at least a C average (2.0) on all hours pursued.

Students on Provisional Academic Probation will not be allowed to enroll at ULM for subsequent enrollment periods, nor will an official ULM transcript be released, until all official transcripts or other required missing credentials have been received.

Students from any other institution of higher learning will not be permitted to enroll while under suspension unless appeals criteria are met. Previous academic suspensions will be counted.

Transfer students under academic suspension for indefinite periods of time (length not specified) will not be considered for admission until such intervals of time would have elapsed had the suspension been incurred at the University of Louisiana at Monroe.

Evaluations concerning probation, suspension, grades, grade point average, and hours pursued and earned are based on prevailing ULM standards, regardless of previous determinations at other institutions the student has attended.

Please refer to the Admissions Enrollment Eligibility Policy section for additional information.

TRANSFER ADULT LEARNER (25 OR OLDER)

Students must not have attended any college or university within the last two years and must be eligible to return to the last accredited collegiate institution attended. To apply for admission, submit the credentials listed below to The University of Louisiana at Monroe, Office of Recruitment/Admissions, Monroe, LA 71209-1160.

1. Complete and submit an undergraduate application for admission with the appropriate application fee. NOTE: Students may visit the ULM website at www.ulm.edu and connect to the Prospective Students link to complete and submit an application electronically.
2. Request the Registrar of each college or university previously attended to forward an official transcript. An official transcript is defined as one mailed directly for one institution to another. It bears the institution's seal, the signature of the registrar, and the date of issuance.
3. If American College Test (ACT - University Code 051980) or Scholastic Aptitude Test (SAT - University Code 6482) was taken, submit official scores to the University of Louisiana at Monroe. If freshmen level English and math courses have not been passed at a previous institution, these scores will be used to determine developmental course requirements, or students have the option to take test-out examinations.

The requirements listed above are for general admission only. Admission to specific/professional degree programs will be determined at the college level.

TRANSFER CREDITS POLICY

1. Students wishing to transfer credits from another institution to the University of Louisiana at Monroe (ULM) must file an official transcript from that institution with ULM's Office of Recruitment and Admissions.
2. The extent to which credit earned in other colleges and universities is accepted toward fulfilling degree requirements at ULM is determined by the dean of the student's college. Only work that applies toward the curriculum the student selects at ULM and that demonstrates satisfactory final grades will be applied to the student's degree plan.
3. No credit will be granted or recognized for work done by a student while under suspension from any educational institution unless the student meets ULM admissions and appeal requirements for that enrollment period.
4. The Statewide Student Transfer Guide and Articulation System Matrices (Board of Regents' E-matrix) indicate transfer equivalences of courses among Louisiana's public colleges and universities and may be accessed through the Board of Regents' Web page at www.regents.state.la.us. The matrices are not all-inclusive; there are additional courses that articulate between campuses. Students are advised to contact their dean's office or the Office of Recruitment and Admissions if they are unclear as to whether academic credit at other institutions is transferable.
5. Freshmen English courses taken from colleges and universities where English is not the native language will not transfer to satisfy ULM's requirements of English 101-102. A student with such credit must take ULM's English 101-102 or pass the appropriate CLEP tests for credit in freshmen English. This policy will apply to all international, resident alien, and U.S. and naturalized citizen students.
6. After students have earned 60 semester hours of credits required for a degree, they may not use additional credits earned in a two-year college to fulfill degree requirements, unless authorized to do so by the dean.
7. If the college does not approve a transfer course for general education credit, the student may petition the Office of Academic Affairs for a decision.
8. All hours pursued by a student are used in determining the cumulative grade point average of that student, and all course work is posted to that student's ULM transcript.

9. Transfer Credit Practices of Designated Educational Institutions, by the American Association of Collegiate Registrars and Admissions Officers, is used as a basis for determining the accreditation status of other institutions. The policies and publications used to determine the acceptance of credit earned through nontraditional means and the acceptance or nonacceptance of credits granted by another institution through nontraditional means (e.g., military credit, credit by examinations, or other methods) are on file in the Registrar's Office.

INTERNATIONAL STUDENT PROGRAMS AND SERVICES

International Student Programs and Services welcomes international students and helps them achieve a successful and positive experience at ULM. The social and cultural enrichment these students bring to our campus is immeasurable. International students who have questions regarding admission, may contact the Undergraduate Admissions Office at (318) 342-5430, Fax (318) 342-1915, or admit@ulm.edu. Students who have questions about maintaining student status, F-1 and J-1 visas (J-1 may contact the Registrar), arrival information, etc., may contact the International Student Programs and Services, Hanna Hall, Room 207, (318) 342-5225, fax (318) 342-6764, or e-mail; international@ulm.edu.

International Student Programs and Services provides information and assistance regarding University regulations, immigration, and other matters. All international students are required to visit and maintain the contact with the International Student Advisor as soon as they arrive on campus.

Undergraduate international students must submit the following application materials before eligibility for admission can be determined:

1. Application for admission with the application fee (NOTE: Students may visit the ULM website at www.ulm.edu and connect to the Prospective Students link to complete and submit an application electronically.)
2. Statement of Financial Backing
3. Proof of Immunization form
4. ACT or SAT scores (if available)
- 5.** Official TOEFL (Test of English as a Foreign Language) minimum score of no less than 500 on the paper-based test, 61 on the Internet-based test, or a 173 on the computer-based test or official IELTS (International English Language Testing System) score of no less than 6.5.
6. Submit official transcripts of all college/university work or documents showing completion of secondary education if college work has not been attempted (a 2.2 GPA [as determined by the Recruitment/Admissions Office, using a 4.0 scale; foreign student athletes must meet NCAA

requirements] for all undergraduate and transfer students). Academic credentials must be evaluated by a professional evaluation service.

Additional information is available at www.ulm.edu.

**International students whose native language is not English and score less than 100 on the Internet-based, 250 on the computer-based, 600 on the TOEFL paper-based, or less than 7 on the IELTS score, will be required to take an English proficiency test upon arrival on campus. Enrollment in English as a Second Language (ESL) courses is required if an English language deficiency is determined. International students may apply for exemption from the ULM English proficiency test if the students have attended four academic years and graduated from a U.S. regionally-accredited college or university, or have submitted an official TOEFL or IELTS, as stated above or have submitted a satisfactory passing score in English Language on the University of Cambridge/London G.C.E. examination. International students who earn the minimum score on the English proficiency test, who complete the ULM English as a Second Language course series or who meet one of the prescribed exemption requirements are not required to enroll in developmental English courses. ULM reserves the right to test those students whose first language is not English for English language proficiency, in spite of any credentials which may be submitted. International students may not circumvent the ESL requirement by taking freshman English at another institution while concurrently enrolling at ULM. If there are deficiencies, the student must complete ESL 103 satisfactorily before accumulating more than 24 hours of credit.

All above materials must be submitted before the following deadlines: When applying for fall semester, March 1; for spring semester, August 1; for summer sessions, January 1. Graduate students should apply well in advance since admission to graduate programs is a lengthy process, and some programs have earlier application deadlines.

Group hospitalization insurance is mandatory for all international students. Enrollment in the student group hospitalization insurance program is mandatory at time of registration unless proof of comparable coverage by a private or government sponsored agency is provided. Proof of comparable coverage will be determined by the Office of Student Services.

For more information visit our website: www.ulm.edu/international

EVENING AND ONLINE COLLEGE PROGRAM

The Evening and Online College Program provides the convenience of earning either an associate's, bachelor's, or master's degree by enrolling in evening and online classes only. It is designed to provide the student the opportunity to earn a degree by taking sequenced courses scheduled within a time frame for the completion of a degree.

Degrees available through evening offerings include: Associate degree in General Studies; Bachelor degree in General Studies; Bachelor of Business Administration degrees in Accounting, Computer Information Systems, General Business, and Risk Management and Insurance; and Master of Business Administration degree in Business Administration.

Online degree offerings include: Associate degree in General Studies; Bachelor degree in General Studies; Bachelor of Science degree in Health Studies-Management/Marketing Option; and Master of Arts degrees in Criminal Justice and Gerontology.

Individuals planning to pursue a degree through evening offerings or one of the online master's degrees should enroll and seek advisement through the college that offers the degree they plan to pursue. Those desiring to pursue the online degrees in General Studies or Health Studies should inquire at onlinedegrees@ulm.edu.

VISITING STUDENTS

Visiting students are those currently enrolled at another institution who wish to attend one semester or summer term at ULM and transfer the credit back to their home institution. They may be admitted by filing a visiting student application and an official letter of good standing from the Registrar of their home institution. However, students wishing to enroll in classes with pre-requisites must submit official transcripts to verify eligibility to enroll in those courses. Students who decide to transfer to ULM after one contiguous term as a visiting student will be required to submit a regular undergraduate application. Visiting students are not eligible to receive any federal financial aid.

READMISSION

Returning students who have missed six consecutive terms (attending or applying for one or both summer sessions is considered participation in a term) or longer are required to submit a new application and application fee for readmission before the student will be eligible to re-enroll. All students must be advised before they are permitted to enroll in their classes. If a student has attended other institutions in the interim, it is the student's responsibility to request official academic transcripts be mailed from those institutions to the Recruitment/Admissions Office. If a student attends ULM during a period of suspension from another institution and does not meet the appeal criteria, all credits earned under the suspension will be voided.

COLLEGIATE PROGRAMS

The Collegiate Admissions Program provides an opportunity for exceptional high school sophomores, juniors and seniors to earn college credit. Applications for the Collegiate Admissions Program are available through

high school guidance counselors or the ULM Office of Recruitment/Admissions. Classes are taught on the ULM campus.

To be eligible for admission, students must:

- be of at least sophomore (10th grade) standing
- be pursuing the Regents Core Curriculum
- have a minimum ACT subscore of 18 in English or mathematics
- have a minimum 3.0 cumulative GPA or 20 ACT composite score
- meet all course prerequisites

Students who have a 2.5-2.9 cumulative GPA will be considered for admission if they have an ACT composite score of 23 or higher.

Students must submit an application for admission along with the admission fee, recommendation from their high school principal and proof of immunization form. ULM will obtain an electronic copy of the high school transcript for all Louisiana residents. Official ACT scores are required.

Students participating in the collegiate program are not allowed to receive talent grants, academic scholarships or dependent fee waivers.

Tuition for students enrolled in collegiate program classes will be \$100 for one 3-hour course, \$200 for two 3-hour courses, and \$300 for three 3-hour courses.

Students participating in the collegiate program are limited to a maximum of 9 hours per semester for a total of 6 semesters, exclusive of summer sessions.

Dual Enrollment Program- This program allows students to earn college credit while enrolled in selected courses taught in their high schools.

Students must:

- be of at least sophomore (10th grade) standing
- be pursuing the Regents Core Curriculum
- have a minimum ACT subscore of 18 in English or mathematics
- have a minimum 3.0 cumulative GPA or a 20 ACT composite score
- meet all course prerequisites

Students who have a 2.0-2.9 cumulative GPA will be considered for participation upon recommendation by the school principal. Students with less than a 2.0 cumulative gpa are not eligible to participate in the dual enrollment program.

In addition, students must submit necessary applications, transcripts, ACT scores and pay fees and tuition. To receive college credit, the student must complete all course requirements with a grade of "A or "B". If a student is pursuing an academic endorsement to his or her diploma, acquiring college credits will satisfy one of the components of the endorsement.

Tuition for students enrolled in dual enrollment program classes will be \$100 for one 3-hour course, \$200 for two 3-hour courses, and \$300 for three 3-hour courses.

Students participating in the dual enrollment program are not allowed to receive talent grants, academic scholarships or dependent fee waivers.

Students participating in the dual enrollment program are limited to a maximum of 9 hours per semester for a total of 6 semesters, exclusive of summer sessions.

SPECIAL NON-DEGREE ACADEMIC PROGRAM (SNAP)

Undergraduate students wishing to enrich their educational background without pursuing a degree at the University of Louisiana at Monroe may enroll as special non-degree students. This program is available to the following applicants:

1. Students 19 years or older
2. High school graduates and non-high school graduates
3. Students who have attended other collegiate institutions and are eligible to return

Applicant must:

1. File an application for admission as a special non-degree student with the application fee.
2. Submit an official transcript from the last college attended, if attendance was within the past year.

Non-degree-seeking students are cautioned that course work pursued while in this classification may not necessarily apply toward a degree at ULM. Once non-high school graduates have earned 24 semester hours, they may petition the Registrar for instatement as degree-seeking students. When collegiate transfer students wish to enter degree-seeking status, they must present official transcripts from each collegiate institution attended so their academic standing can be determined.

Applicants admitted as non-degree students may not be eligible for financial aid or Veterans Administration educational benefits, since both require students to be enrolled in degree-awarding programs. Also, applicants may pursue only undergraduate courses and are limited to a maximum of 6 semester hours in a regular semester or summer term. Since certain university courses require prerequisites, applicants should check the University catalog for course sequences.

Please refer to the Admissions Enrollment Eligibility Policy section for additional information.

ADMISSIONS ENROLLMENT ELIGIBILITY POLICY

Applicants who submit an application but fail to enroll for the term indicated on the application will be permitted registration for six consecutive terms (attending or applying for one or both summer sessions is considered participation in a term.) Applicants who do not enroll for the applied term must call the Office of Recruitment/Admissions to reactivate their application. After six terms of no enrollment, applicants will be required to submit a new application, an application fee, and all required credentials.

Applicants who enroll and maintain academic eligibility will remain eligible for registration until there is a

lapse of enrollment for six consecutive terms or until graduation.

It is the responsibility of the student to inform ULM of any attendance at other institutions once eligibility is determined by the Recruitment/Admissions Office. Students under academic suspension from another institution are not eligible to enroll at ULM. Should a student fail to inform the ULM Recruitment/Admissions Office of ineligibility and attend while under suspension, credits earned will be voided.

RESIDENT AND NON-RESIDENT CLASSIFICATION

The residence status of an applicant or student is determined in accordance with State Board regulations and is based upon evidence provided in the application for admission and related documents. Residence status is determined by the Office of Recruitment/Admissions after the completed application for admission has been submitted. The regulations are based primarily on the location of the home and the place of employment. Residence status may not be acquired by an applicant or student while residing in Louisiana for the primary purpose of attending school. Resident status is not determined for undergraduate students registered for six semester hours or less; graduate students for three semesters or less; or all non-resident students enrolled in up to six semester hours of graduate or undergraduate courses offered through web-based instruction, when domiciled outside of the state of Louisiana and not enrolled in any other courses at the University. It is the responsibility of the student to provide the University with the evidence deemed necessary to establish the residence status.

1. Applicants living with their parents are classified as residents, if the parents have established a bona fide residence in Louisiana. Ordinarily, a parent is considered to have established a residence in Louisiana if he/she actually resides and is employed full time in the State. A parent who is unable or chooses not to be employed, may be considered to have established a residence in Louisiana if there is convincing evidence that he/she continuously resides in Louisiana. If only one parent qualifies as a resident of Louisiana, the student shall be classified as a resident provided that student resides with the parent who is a resident of Louisiana. An individual who resides in Louisiana and is employed full time in another state may be classified as a resident. In such a case, appropriate documentary evidence must be presented.
2. Students residing with their parents and enrolling as non-residents are classified as residents if the parents move to Louisiana and acquire residence as defined in these regulations.
3. Persons may be classified as residents of Louisiana at the end of twelve consecutive months of residence, if they have been employed in Louisiana, and if during that period they have not been registered in an educational institution for more than six semester hours or its equivalent in any semester. Persons who are unable to be employed and who have not been registered in any educational institution for more than six semester hours or its equivalent in any semester, may acquire residence in Louisiana if there is convincing evidence that they continuously resided in Louisiana for twelve consecutive months immediately preceding registration.
4. A student who is married to a Louisiana resident may acquire the residence status of his or her spouse.
5. Persons who reside in Louisiana for at least two years (exclusive of military service) and who then move to another state or foreign country, retain the right to enroll themselves or any of their dependents as a resident for a period equal to the number of years they resided in Louisiana, but the right shall expire for a person who resides for a period of two years in another state or foreign country.
6. Members of the Armed Forces currently stationed in Louisiana and their dependents shall be classified as Louisiana residents. Military personnel who were stationed in Louisiana immediately prior to their release from active duty may enroll themselves or their dependents as residents during a period not to exceed 6 months after the date of release, provided that the term of active duty shall have been no less than 12 consecutive months.
7. Members of the Armed Forces who were residents of Louisiana immediately prior to entering the Armed Forces retain the right for themselves or any of their dependents to be classified as a resident as long as they are in the Armed Forces and for a two-year period after leaving the Armed Forces.
8. A resident of Louisiana does not lose the right to be classified as a resident during periods of employment in a foreign country.
9. An alien who has been lawfully admitted to the United States for permanent residence as an immigrant (proof of such status in his possession of his Form I-551-Alien Registration Receipt Card or passport officially stamped "approved as resident alien") and who has established residence under any of the foregoing provisions shall be declared a resident of the State.
10. A student may be declared a resident if either parent is a graduate of the institution which the student attends.
11. A student who graduates with an associate or higher degree may be classified as a resident for subsequent enrollment at that same institution.

FINANCIAL AID

The ULM Office of Financial Aid Services supports the mission of the University by assisting students in reducing or eliminating financial obstacles which might prohibit them from attaining an education. At ULM, we understand the financial burdens placed on students and their parents when pursuing a college education. The Office of Financial Aid Services is designed to help students and parents find the type of aid that best suits their needs.

Financial aid programs offered through ULM are scholarships, grants, loans, and employment. For additional information or questions, visit our website at <http://finaid.ulm.edu>. The Financial Aid Office is located in the Administration Building 1-123.

Financial Aid is intended to assist students in financing their education when family and personal resources are not adequate to meet their total educational cost. There are three types of direct aid:

1. Grants - no repayment necessary. Based on financial need, students must apply using the Free Application for Federal Student Aid (FAFSA).
2. Loans - financial awards with a low interest rate. Repayments usually begin 6-12 months after graduation or withdrawal from school.
3. Employment - provides jobs for students while attending school. ULM has two employment programs - Federal Work Study and Work Service.

For a detailed explanation of the federal programs and how they are processed, consult the U.S. Department of Education Student Guide on our website at <http://finaid.ulm.edu/>.

THREE STEPS TO APPLYING FOR FINANCIAL AID

NOTE: Apply early for admission to ULM. You may obtain an Application for Admission from the Office of Recruitment and Admissions (Sandal Hall, Phone 318-342-5430) or on-line at www.ulm.edu. You must be admitted to ULM before aid can be awarded.

- STEP 1. Apply for a Personal Identification Number (PIN) from the U.S. Department of Education. The PIN is required to complete your financial aid application on-line. Parents should also apply for a PIN. To apply for a PIN, go to www.pin.ed.gov
- STEP 2. Complete the Free Application for Federal Student Aid (FAFSA). The FAFSA begins the process for financial assistance. The 2008-2009 FAFSA became available on-line after January 1st at www.fafsa.ed.gov. It is recommended to file your FAFSA on-line. The electronic completion will take approximately 2-4 weeks for a response, where paper applications will take four to

six weeks. When completing the application, make certain you list ULM's Title IV school code (002020) so that your results can be electronically transmitted to ULM.

- STEP 3. After filing your FAFSA, you will receive your Student Aid Report (SAR) either by mail or on-line. The Department of Education sends this to you after your FAFSA has been analyzed. Read it carefully. Make certain that everything is correct and complete. The Office of Financial Aid Services will receive your information electronically and will notify you if further documentation is necessary for processing.
- If you are a Pharmacy student requesting a Health Professions Loan, you must complete the parental section of the FAFSA even if you are independent. Federal law requires parental information must be provided to determine eligibility for this loan.
 - You must maintain Satisfactory Academic Progress

SATISFACTORY ACADEMIC PROGRESS POLICY

Federal regulations require that all students receiving Federal Title IV Financial Aid funds maintain standards of satisfactory academic progress in the pursuit of their degree or certificate. Satisfactory academic progress is defined as passing a required number of hours and achieving a required grade point average during a reasonable period of time. Regulations require that your entire academic history be considered, even if you have never received federal aid.

Three standards are used to measure academic progress for financial aid purposes:

1. Cumulative Grade Point Average

In order to retain financial aid eligibility a student must progress each term according to the following grade scale:

Hours Attempted	Minimum Cumulative GPA
1-29	1.50
30-59	1.80
60 +	2.00
Graduate	3.00

2. Credit Completion Rate

This is the number of hours completed compared to the number of hours attempted. To retain financial aid eligibility a student must earn a minimum of 67% of the total number of hours attempted.

- ▶ Completion Rate = $\frac{\text{cumulative earned hours}}{\text{cumulative attempted hours}}$
- ▶ All attempted hours are counted, including transfer hours

3. Maximum Time Frame

A student is no longer eligible to receive financial aid once he/she has attempted more than 150% of the credits required for the major the student is currently enrolled. The maximum time frame is not increased for changes in major, double majors, or adding a minor in another subject area.

To determine the maximum allowable hours for a specific major, refer to the University Catalog, note the total hours required for the degree, and multiply that number by 1.5.

- ▶ 2nd Associates Degree 120 total attempted hours
(includes all undergraduate hours)
- ▶ 2nd Bachelors Degree 240 total attempted hours
(includes all undergraduate hours)
- ▶ 2nd Masters Degree 30 attempted hours beyond
1st Masters Degree
- ▶ Doctoral Degree 70 attempted hours beyond
Masters Degree

The following are considered when evaluating a student's satisfactory academic progress:

- Grades of A, B, C, or D are considered attempted and earned hours.
- Withdrawals (W), Incompletes (I), Failures (F), No Credit (NC), and In Progress (IP) grades are considered attempted but not earned.
- Audited courses are included in the attempted hours but not in the total of hours earned.
- Remedial courses are included in the calculation of both attempted and earned hours.
- Transfer credits are included in the calculation of both attempted and earned hours and the cumulative GPA.
- Repeated courses and courses for which the student has been granted **Academic Renewal** are included in the calculation of both attempted and earned hours.

Annual SAP Review

Academic progress will be reviewed at the end of the spring semester for currently enrolled financial aid recipients. The academic progress of new financial aid recipients will be reviewed as ISIR data is received.

- ▶ Students not meeting the minimum SAP standards will be placed on financial aid suspension.
- ▶ Students on financial aid suspension are not eligible to receive financial aid.

Appeal Process

A student may appeal the loss of financial aid eligibility if extenuating circumstances interfered with the ability to meet satisfactory progress requirements. **A student may not appeal for exceeding the maximum time frame allowed.**

In order for an appeal to be reviewed by the committee, the student's circumstances must meet one of the following criteria:

- ▶ Severe illness, medical condition, or injury to student or **immediate** family member
- ▶ Death of an **immediate** family member
- ▶ Traumatic life-altering event

Proper documentation will be required. Documentation may include:

- ▶ Physician' letters and hospital records
(must include dates)
- ▶ Death certificate and/or obituary
- ▶ Court documents

Appeal Decisions

- ▶ All decisions of the SAP Appeals Committee are final.
- ▶ Notification of the decision will be sent to the students' permanent address and posted on ARROW.
- ▶ Financial Aid will be awarded for the academic year on a probationary basis for appeal approvals.
- ▶ Terms and conditions of appeal approval will be included in the notification letter.

Regaining Financial Aid Eligibility

Eligibility is re-established after the student improves their academic record to meet the minimum standards required by the SAP Policy or an appeal due to unusual circumstances is approved.

RESIGNATION POLICY FOR STUDENTS RECEIVING FEDERAL FINANCIAL AID

Students who receive Title IV Financial Aid, excluding the Federal Work-Study Program, will be subject to the Return of Title IV Funds Policy if the student withdraws before completing 60% of the semester in which the student was disbursed Title IV Aid.

The current policy, as a result of the Reauthorization of Higher Education Act of 1965, went into effect during Fall 2000 semester. Students must return unearned portions of the Title IV Funds to the Title IV Program.

- The student's withdrawal is used to determine the student's percentage of earned aid. The withdrawal date also is used to determine what percentage of the enrollment period the student actually completed.
- The percentage of earned aid is subtracted from 100% to determine the amount of Title IV Aid the student has earned. (This is the student's percentage of unearned aid).
- The percentage of unearned aid is multiplied by the amount of Title IV Aid that has been disbursed to the student to determine the amount of aid that the student must return.
- The amount of Title IV Funds that the school must return to the Title IV Program is calculated by multiplying the total institutional cost by the percentage of unearned aid.

If the percentage of earned aid is greater than 60%, the student does not have to return Title IV Aid.

RESIGNATION WITHDRAWAL POLICY

After enrolling in classes, a student who wants to resign must:

- Consult the ULM Schedule of Classes for dates and times to drop classes and notify the Residential Life Office to cancel a Room and Meal Contract if such contract was requested by the student.

OR

- After the registration period, notify the Registrar's Office in writing to cancel classes and notify the Residential Life Office in writing to cancel a Room and Meal Contract.
- Merely discontinuing class attendance is not considered to be a formal resignation from the University. Students who discontinue class attendance who fail to follow the established resignation procedure will be held responsible for all tuition and fees.

ALSO

- Students who receive Federal Financial Aid and who stop attending classes without officially resigning are subject to the Return of Title IV Funds (see above). The student's professors will be contacted to verify the last date of class attendance.
- Students who receive financial aid and resign or drop to less than half time will have their future semester financial aid cancelled.

Federal Loans

Applicants for all loan programs must complete the FAFSA.

The FEDERAL PERKINS LOAN PROGRAM at ULM provides low-interest loans to students with exceptional financial need. Students must be enrolled on at least a half-time basis, making satisfactory progress toward graduation. The interest rate on the loan is 5% and repayment of the loan begins nine months after the student graduates, drops below half-time, or withdraws from the University.

The HEALTH PROFESSIONS LOAN PROGRAM is available to full-time students enrolled in Pharmacy. Students determined to have exceptional financial need and who are making satisfactory progress toward graduation are eligible for this program. The interest rate on the loan is 5% and repayment of the loan begins 12 months after the student graduates, drops below full-time, changes his/her major, or withdraws from the University.

THE SUBSIDIZED FEDERAL STAFFORD LOAN PROGRAM provides affordable loans to students that are enrolled at least half-time, are meeting the minimum standards of Satisfactory Academic Progress, and have been determined to have unmet financial need as defined by federal guidelines. The amount of eligibility varies depending on the amount of the student's unmet need and the number of academic hours earned to date. The interest accrued on the loan is paid by the government and principal payments are deferred as long as the student remains enrolled on at least a half-time basis and

meets certain other pertinent criteria. Repayment of the loan begins 6 months after the student graduates, drops below half-time, or withdraws from the University.

THE UNSUBSIDIZED FEDERAL STAFFORD LOAN PROGRAM. Loans are available to students on a non-need basis. While appropriately enrolled in school, the student has the option of paying the accrued interest on the loan while or allowing the interest to be capitalized into the balance of the loan. Principle and interest payments begin six months after the student graduates or drops below half-time enrollment status.

Other Loans

COLLEGE OF PHARMACY STUDENT LOAN FUND
Non-interest bearing small loans are available to pharmacy students for emergency purposes. Loans are granted on recommendation of the Dean of the College of Pharmacy.

ST. FRANCIS NORTH HOSPITAL REVOLVING LOAN FUND. Non-interest bearing small loans are available to nursing students. Information is available from the Director of the School of Nursing.

Student Employment

The student employment program provides a large number of students with the opportunity to earn part of their expenses by working in the Library, Post Office, academic and administrative offices, and many other areas on campus. Student workers devote ten to twenty hours per week to their campus jobs. Each department coordinates a work schedule for the assigned student workers based in part on the total amount each student is allowed to earn. Campus employment is coordinated with all other forms of financial aid available to a student. Federal applications may be obtained from high school principals, counselors, or on-line at www.fafsa.ed.gov. Student workers earn federal minimum wages.

The Office of Financial Aid Services, along with various academic departments, assists students in obtaining off-campus employment. Businesses in Monroe and West Monroe employ hundreds of students in part-time and full-time jobs. Come to the Financial Aid Office for the listing of jobs. Applicants for all federal work programs must complete the FAFSA.

Grants

Grants, unlike loans, do not have to be repaid. Applicants for all grant programs must complete the FAFSA.

The FEDERAL PELL GRANT PROGRAM was established by the Higher Education Act of 1972 to provide needy students with financial assistance in meeting the costs of a college education. They are awarded to undergraduate students who have not earned a bachelor's or professional degree and who are making satisfactory academic progress toward a degree. The amount awarded to a student varies depending upon the amount of financial need determined through the Free

Application for Federal Student Aid. The federal government determines the maximum Pell Grant award.

The ACADEMIC COMPETITIVENESS GRANT (ACG) is available to those undergraduate students who are enrolled in their first two years of their four year baccalaureate degree program. Students must be a U.S. citizen, Federal Pell Grant recipient, enrolled on a full time basis and maintain a 3.0 cumulative GPA at the end of their first year of undergraduate enrollment. The ACG also requires the students to have graduated from a rigorous state secondary school program.

The FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (FSEOG) is available on a limited basis to undergraduate students that are eligible for the Pell Grant and have exceptional remaining financial need. Students must be making satisfactory academic progress toward a degree, and be enrolled on at least a half-time basis. Funding is limited and priority is given to full-time students.

The LEVERAGING EDUCATION ASSISTANCE PARTNERSHIP PROGRAM (formerly The State Student Incentive Grant) uses federal and state funds to provide need-based grants to academically qualified students. The student must be a Louisiana resident, be enrolled on a full-time basis, be making satisfactory academic progress toward a degree, and have a cumulative GPA of at least 2.0 to qualify for this program. Funds are limited and future levels are subject to program funding.

The NATIONAL SMART GRANT is available to those undergraduate students who are enrolled in their third or fourth year of their four year baccalaureate degree program. Students must be a U.S. citizen, Federal Pell Grant recipient, enrolled on a full time basis and have a 3.0 cumulative GPA. Students must also be majoring in either Computer Science, Engineering, Technology, Life Sciences, Mathematics, Physical Sciences, and Designated Foreign Languages to qualify for this grant.

The LOUISIANA GO GRANT is available to those undergraduate students who entered college as a first-time freshman or is age 24 or younger that entered college as a first-time freshman or is age 25 or older and who has had a break in enrollment of at least two consecutive semesters. Students must be a Louisiana resident, be enrolled on a full-time or part-time basis, be making satisfactory academic progress toward a degree and a Federal Pell Grant recipient.

SCHOLARSHIPS

UNIVERSITY SCHOLARSHIPS FOR FRESHMEN

The Scholarship Office is located in Sandel Hall - Telephone (318-342-5321 or 800-372-5127) - Fax (318-342-3543). Scholarship applicants are required to submit an undergraduate admissions application, ACT or SAT test scores, and a high school transcript (Admissions Office will request transcripts electronically for all in-state

students) to the Admissions Office by December 1 to receive priority consideration for academic scholarships. Home-schooled and out-of-state students must provide a copy of their current high school transcripts to the Admissions Office by December 1.

Scholarships are effective in the fall semester of the freshman year. Most scholarships are renewable for four years, if the student meets the established criteria each term, while others are one-year awards and are not renewable. Generally, scholarships are valid for fall and spring terms only.

The following institutional academic scholarships are available to incoming freshmen students: President's Distinguished, ULM Academic Excellence, ULM Academic Recognition, ULM Outstanding Scholars, ULM Academic Award. All are awarded for a maximum period of four years, provided the student carries a full-time load and maintains a semester and cumulative 3.0 grade point average.

OTHER SCHOLARSHIPS AND FEE WAIVERS

Employee Fee Waiver

The University offers a partial tuition reduction to qualified employees or their dependents. Guidelines may be found in the "Employee Class Enrollment Policy" and the "Dependent Fee Exemption Policy" (<http://www.ulm.edu/hr/policies.html>). Applications may be downloaded at (<http://www.ulm.edu/forms/>).

Graduate Assistantships

Teaching and research assistantships are available to graduate students who are eligible for regular admission to a specific graduate degree program. Duties and stipends vary for the different appointments. Applications for assistantships should be directed to the administrator of the academic or administrative unit in which the assistantship is desired.

ROTC Scholarships

Four-year scholarships are available to high school seniors on a competitive basis. Applications, available through the Military Science Department, must be completed by November 10.

Three- and two-year on campus ROTC scholarships are available. Applications must be completed by February 20.

ROTC scholarships pay tuition and fees, books, and also provides a \$250 - \$400 monthly stipend.

Louisiana National Guard Tuition Waiver

Under Louisiana Statute R.S. 29:36.1, certain members of the Louisiana National Guard may be exempted from paying the tuition portion of fees. Contact the National Guard or the ULM Student Account Services Office for more information.

Academic Out-of-State Scholarship Fee Waiver

Beginning Freshmen

Out-of-state scholarships may be provided for beginning freshmen or transfer students with less than 24 semester hours of college credit who meet four of the following criteria:

1. Minimum 3.0 grade-point average in high school.
2. Academic rank in the upper 10 percent of their high school class.
3. ACT minimum composite score of 24 or equivalent on other nationally recognized test.
4. Leadership in extracurricular activities.
5. Satisfactory evaluation resulting from a personal interview with a ULM representative.

College Level Students

Out-of-state scholarships may be provided for students who have completed at least 24 semester hours of college credit and who meet three of the following criteria:

1. Minimum cumulative and preceding semester 3.0 grade-point average.
2. Grade-point average that ranks in the upper 10 percent of students of the same classification (sophomore, junior, senior) at the awarding school.
3. Leadership in extracurricular activities.
4. Satisfactory evaluation resulting from a personal interview with a ULM representative.

Students must schedule and complete 12 credit hours each semester and maintain a semester and cumulative 3.0 grade point average each semester in order to maintain the Academic Out-of-State Scholarship Fee Waiver.

Undergraduate Out-of-State Fee Waivers

Students who meet the following minimum requirements will be considered for an out-of-state fee waiver at ULM.

Freshmen (under 12 credit hours completed):

- ACT of 21 or higher (or equivalent SAT score);
- Cumulative high school GPA of 2.25 or higher;
- and
- No remedial requirements

Transfer Students (with 12 credit hours or more):

- Cumulative GPA of 2.5 on all college level work; and
- No remedial requirements.
- Eligible to return to prior institutions

To continue to receive this award students must maintain continuous, full-time enrollment (excluding summers); successfully complete twelve (12) semester hours each enrollment period; and remain in good academic standing (i.e., not on probation or suspension). Enrollment for summer/winter sessions is optional. However, students who attend summer/winter sessions must successfully complete all enrolled hours.

Students will be notified of their eligibility for this award with their acceptance for admission.

ACADEMIC COMMON MARKET. The Academic Common Market is an interstate agreement between Southern Regional Education Board states for sharing academic programs through an exchange of students across state lines. If an academic program is not offered in one of these states, a student may be able to attend the University of Louisiana at Monroe and not have to pay out-of-state fees if certain criteria are met. For further information, contact the Board of Higher Education in student's home state or the University of Louisiana at Monroe Scholarship Office.

SIXTY AND OVER FEE WAIVER. Any person 60 years of age or older who registers for three or less credit hours per semester may do so at no charge except for the application fee, technology fee, energy surcharge, and parking decal, if needed, and any course-specific fees such as laboratory fees. Credit hours enrolled by such individuals in excess of three hours will require payment of the normal charges. The program cannot be used for audits and Continuing Education classes are not included.

SPIRIT AND TALENT SCHOLARSHIPS. Awarded based on academic average, talent and service to the University. Apply to the Director of the Spirit or Talent Group.

VOCATIONAL REHABILITATION. A program administered by the state for students with physical handicaps. Students should check with their high school principals, counselors, or the nearest Louisiana Rehabilitative Services Office.

ATHLETIC SCHOLARSHIPS. The ULM Department of Athletics awards scholarships based on athletic ability, which is evaluated by Department of Athletics personnel. In addition to possessing athletic ability, a student who receives an athletic scholarship must (a) meet the academic requirements for initial and/or continuing enrollment at ULM, (b) meet NCAA requirements for receipt of initial and/or continuing athletic scholarship, and (c) enroll as a full-time student.

STATE AND FEDERAL SCHOLARSHIPS

LOUISIANA'S TUITION OPPORTUNITY PROGRAM FOR STUDENTS, "TOPS". This plan is a tuition entitlement based on academic standards. For more information call the Louisiana Office of Student Financial Assistance at 1-800-259-5626 ext. 1012. To apply for "TOPS", you must annually submit a Free Application for Federal Student Aid (FAFSA).

ROCKEFELLER SCHOLARSHIP PROGRAM. This scholarship program awards scholarships to outstanding students majoring in Wildlife, Forestry and/or Marine Sciences. Students must maintain a 2.5 GPA. The amount of the scholarship is \$1,000 per academic year.

Information on the "TOPS" and Rockefeller Scholarships may be obtained by writing:

Scholarship/Grant Administrator
Office of Student Financial Assistance
Post Office Box 91202
Baton Rouge, LA 70821-9202

If you need assistance in completing the application you should seek help from your high school guidance counselor, or the Office of Student Financial Assistance. You may contact the Scholarship Administrator by calling toll free in LA 1-800-259-5626 or (504)922-1011.

ULM FOUNDATION SCHOLARSHIP ENDOWMENTS FOR ACADEMICS

ACADEMIC AFFAIRS

HONORS PROGRAM

George and Ruth Smith Memorial Honors Scholarship

LIBRARY

Library Endowment - Friends of the Library

ADVANCEMENT & EXTERNAL AFFAIRS

ADVANCEMENT & EXTERNAL AFFAIRS

"L" Club Lifetime Membership Endowment

The Lillian L. and Fred A. Marx Endowment Fund

CONFERENCE CENTER

Conference Center Endowment

ARTS AND SCIENCES

AGRICULTURE

John Andrew Colvin Memorial Scholarship

Robert Layton Jr. Agriculture Scholarship

Martin A. McHenry Agriculture Scholarship

Bill and Anne Milstead Agriculture Scholarship

L. L. Price Scholarship in Agriculture

Nell Tull and Marvin Spangler Memorial Scholarship

Sam Walker Memorial Scholarship for Agriculture

ART

Gretchen Masur Dean Endowed Scholarship

Harry Lemert Fine Arts Scholarship

Beverly Marvin Endowment -

(Beverly Marvin Arts Award)

Mary Ellen and George Walker

Scholarship Endowment

ARTS AND SCIENCES

Emmett Foster Memorial Scholarship

BAND

ULM Band Endowment

BIOLOGY

E. W. and Gladys Brown Memorial Scholarship

George Cox Memorial Scholarship

The Kitty DeGree Scholarship Endowment

Charles E. DePoe Memorial Scholarship

Kappa Alpha Fred Page Memorial Scholarship

Dr. Tom Kee Memorial Scholarship in Biology

Bunnie M. and Enid W. McKoin Memorial Scholarship

Ted D. Price Memorial Scholarship

CHEMISTRY

Francis Baldwin Memorial Scholarship in Chemistry

The Kitty DeGree Scholarship Endowment

The Dr. Robert Holt Award for Excellence in Chemistry

Morgan Kidd Memorial Scholarship in Chemistry

Francis T. and Marian S. Wadsworth Endowment

CRIMINAL JUSTICE

Terry M. Cannon Memorial Scholarship

Bailey Grant Memorial Scholarship in Criminal Justice

Billy Wayne Heckford Memorial Scholarship

Mike Kees State Trooper Memorial Scholarship

Kinsey Memorial Endowment

Paul Howard Kitchens Memorial Scholarship

Monroe Police Local 81 Scholarship in Criminal Justice

Billy G. Haynes Memorial Scholarship

Brian Putman Memorial Endowed Scholarship

Sidney R. Wilhite Scholarship in Criminal Justice

ENGLISH

Louise E. Harris Scholarship

L. Marvin McKneely English Scholarship Award

L. M. McKneely Endowed Scholarship Fund

Dr. John McLemore Memorial Scholarship

Mary Ellen and George Walker

Scholarship Endowment

Randall Wilson Memorial Endowment

in Creative Writing

FAMILY AND CONSUMER SCIENCES

Sara M. Greene Memorial Scholarship

Francis H. Kelso Family and Consumer Sciences

Endowed Scholarship Fund

News Star / Home Economics Endowed Scholarship

FARM

The John Garrett Bruscato Equine Memorial
Scholarship

FOREIGN LANGUAGE

Annelies Hayward Trust Memorial Scholarship

Hazel Mitchell Scholarship Fund

Sparks Family Trust Scholarship

Yves M. Verret Jr. Memorial Scholarship

Marie Pierron Watson Memorial Scholarship

GEOSCIENCES

E. W. and Gladys Brown Memorial Scholarship

The Kitty DeGree Scholarship Endowment

Desk & Derrick Club of Monroe Scholarship

Jim and Faye Haddox Scholarship Endowment

in Geology

Edward Taylor Heard Jr. Endowment

Lynn L. Leblanc Scholarship in Atmospheric Sciences

Marcus Mapp Endowment Scholarship

Thomas Mathieu Fund for Excellence in Geology

American Petroleum Institute, Custer K. Primos
Memorial Scholarship

Paul L. Rawson Endowed Fund for Geosciences

The Sis Barringer Myers - American Petroleum Institute
Scholarship

HISTORY

Brian Gregory Memorial Scholarship

Thomas Y. Harp Memorial Scholarship

in Southern History

Joe Kalil Memorial Scholarship Endowment

Kappa Alpha Fred Page Memorial Scholarship

Winton Mizell Memorial Scholarship

John D. and Avis S. Ramsey Memorial

Endowed Scholarship

Ned Wright Memorial Scholarship

MASS COMMUNICATIONS

Bob Anderson Faculty Development Fund
 Barbara & James Baxter Faculty Development Fund
 Peter T. Beckish Memorial Scholarship
 Lois and John Breaux Scholarship in Public Relations
 Hope and Bob Carroll Faculty Development Fund
 Christine & Frank Elkins Jr. Faculty Development Fund
 Billy Wayne Heckford Memorial Scholarship
 Johnnie Hollister Memorial Scholarship
 Harry Lemert Fine Arts Scholarship
 William Laffler Memorial Scholarship
 Billy G. Haynes Memorial Scholarship
 James Parkerson Endowment
 Mary Ellen and George Walker
 Scholarship Endowment

MATHEMATICS

John H. "Slim" Scogin Memorial Scholarship

MILITARY SCIENCE

Lt. Col. Travis A. French Memorial Award
 Major General George Trousdale "Big I"
 Memorial Scholarship

MUSIC

Florence Allbritton Scholarship (Piano Award)
 Emy-Lou Biedenharn Memorial Scholarship
 Clara Freiberg Memorial Fund
 Roger C. Frisbie Memorial Scholarship
 Billy Wayne Heckford Memorial Scholarship
 Harry Lemert Fine Arts Scholarship
 William Porter Memorial Trust
 Franky Russell Endowed Memorial Jazz
 Ensemble Scholarship
 Mary Ellen and George Walker Scholarship
 Endowment

PHYSICS

The Kitty DeGree Scholarship Endowment
 Alton McCready Memorial Scholarship

POLITICAL SCIENCE

Joe Kalil Memorial Scholarship Endowment
 Kappa Alpha Fred Page Memorial Scholarship
 Winton Mizell Memorial Scholarship
 Billy G. Haynes Memorial Scholarship

SOCIAL WORK

Paul Howard Kitchens Memorial Scholarship
 John D. and Avis S. Ramsey Memorial Endowed
 Scholarship

SOCIOLOGY

Paul Howard Kitchens Memorial Scholarship

THEATRE

The Brian Scholarship
 Henry and Lillie Gerson Memorial Scholarship
 Howard Leventhal Scholarship
 Helen Spyker Memorial Scholarship
 Mary Ellen and George Walker Scholarship
 Endowment

ZOOLOGY

Neil H. Douglas Scholarship in Zoology

ATHLETICS**ATHLETICS**

Saul Adler (American Legion) Scholarship
 T. O. Bancroft Sr. Endowment Fund
 Lenny Fant Scholarship
 Bob "Coach" Groseclose Scholarship
 George Moses Memorial Scholarship Endowment

BUSINESS ADMINISTRATION**ACCOUNTING**

Alumni Professorship in Accounting
 Michael Brice Memorial Scholarship
 Lester L. Butler Memorial Scholarship
 Henry A. Little Endowed Scholarship
 Ted D. Price Memorial Scholarship

AVIATION

Leonard Battistone Memorial Scholarship
 Claire Chennault Memorial Aviation Scholarship
 Captain Troy T. Guillory Memorial Aviation Scholarship
 Frank Hedrick Aviation Scholarship
 Jimmy Don Hudson Memorial Endowed Scholarship
 The Lenny Scheurer Endowed Memorial Fund
 Greg Weesner Memorial Scholarship

BUSINESS ADMINISTRATION

Howard E. Blackstock Memorial Scholarship
 E. W. and Gladys Brown Memorial Scholarship
 Ray L. Crowell Scholarship in Business Administration
 Byron and Jean Davis Scholarship
 The Kitty DeGree Scholarship Endowment
 Billy Wayne Heckford Memorial Scholarship
 The Mary Sue Humble Jacka Scholarship
 Kappa Alpha Fred Page Memorial Scholarship
 Louise Briley Leake Memorial Endowed Scholarship
 Henry A. Little Endowed Scholarship
 John and Rosemary Luffey Professional in Residence
 Endowment
 J. Wayne Medley Endowed Memorial Scholarship
 Ouachita National Bank Education Trust Fund
 Scholarship
 Ted D. Price Memorial Scholarship
 David Robertson Personnel & Human Resources
 Scholarship
 The Sis Barringer Myers - American Petroleum Institute
 Scholarship
 Southern Hardware & Supply / Marx Family Endowed
 Scholarship
 Clifford M. Strauss Endowed Fund
 H. Kirt Touchstone Jr. Memorial Scholarship
 Nick Dimos College of Business

COMPUTER INFORMATION SYSTEMS

Ruth Bruner Endowed Scholarship
 Peggy Clark Memorial PSI Scholarship
 John H. "Slim" Scogin Memorial Scholarship

CONSTRUCTION

John Ball Scholarship in Construction
 John E. Baugh Memorial Scholarship

Don A. Baxter Endowment Scholarship in Construction
A. C. Breckenridge Memorial Scholarship
Bob Brooks School of Real Estate & Insurance
Scholarship
Cecil Kay Carter Jr. Scholarship in Construction
The Kitty DeGree Scholarship Endowment
Bill Eason Memorial Scholarship in Construction
David Geissler Memorial Scholarship
Bill Gilbert Scholarship in Construction
Hollis Graham Memorial Scholarship
J. Hilton Heard Memorial Scholarship
Hurvie Moak Scholarship for Construction
Home Builders Association of Northeast Louisiana
Scholarship
Thurman Potts Endowment Fund for Construction
Education
Lamar Rogers Scholarship in Construction

FINANCE

Ouachita National Bank Education Trust Fund
Scholarship
Shady Wall Memorial Endowed Scholarship in Banking

RISK MANAGEMENT AND INSURANCE

Gerald & Anne Arrant Scholarship in Insurance
Bob Brooks School of Real Estate & Insurance
Scholarship
Excellence in Insurance Endowment
Louisiana Surplus Line Association Endowed Insurance
Studies Scholarship
William D. and Gladys Sanders Scholarship

MANAGEMENT AND MARKETING

Cotham Haddad Memorial Scholarship
Don and Jean Giffen Memorial Scholarship

SMALL BUSINESS DEVELOPMENT CENTER

Camp Enterprise Endowment

EDUCATION & HUMAN DEVELOPMENT

CURRICULUM AND INSTRUCTION

Castles Memorial Scholarship
Fifth District Teachers Association Scholarship
Lanette S. Fisher Memorial Scholarship
Vance and Cora Lee Harrelson Memorial Scholarship
Billy Wayne Heckford Memorial Scholarship
Mary Herrington Memorial Scholarship
James O. Lancaster Jr. Memorial Scholarship
Billy and Florinell Laird Family Scholarship Endowment
in Education
John D. and Avis S. Ramsey Memorial Endowed
Scholarship
Floy Antley Wilhite Memorial Scholarship
Pat Williams Aswell Memorial Scholarship

EDUCATION & HUMAN DEVELOPMENT

L. M. & C. C. Colvert Scholarship
The Kitty DeGree Scholarship Endowment
Gertie Mae Allen and Eldrice H. Green Endowed
Scholarship Fund
Frances Davis Hammond Scholarship in Education
Jack and Ann Hayes Memorial Scholarship
Robert E. and Earleene D. Nolan Scholarship

Dr. Robert Elgin Ward Educational Scholarship
George W. Welch Education Scholarship

KINESIOLOGY

Ada Bess Hart Memorial Scholarship
John D. and Avis S. Ramsey Memorial Endowed
Scholarship
Lucy Shackelford Endowment in Kinesiology
Dr. Lucy Shackelford Memorial Scholarship

LIBRARY SCIENCE

Zanona Flinn Endowed Scholarship

MARRIAGE & FAMILY THERAPY

R. D. Castles Endowment for Family Planning
(Marriage and Family Counseling)
Jennifer Frazier Doles Memorial Scholarship
in Marriage and Family Counseling Therapy

PSYCHOLOGY

Michael J. Raymond Memorial Scholarship

HEALTH SCIENCES

CANCER RESEARCH CENTER

George Bacon Memorial Scholarship
Tommie Mattison Graduate Scholarship in
Cancer Research

CLINICAL LABORATORY SCIENCES

John D. and Avis S. Ramsey Memorial
Endowed Scholarship
Pilot Club of Monroe, Louisiana, Inc. Scholarship

DENTAL HYGIENE

George Cox Memorial Scholarship
Pilot Club of Monroe, Louisiana, Inc. Scholarship

HEALTH SCIENCES

E. W. and Gladys Brown Memorial Scholarship
The Kitty DeGree Scholarship Endowment
Evelyn MacKay Endowment Scholarship
John D. and Avis S. Ramsey Memorial Endowed
Scholarship
Emmit Curry Memorial West Monroe Civitan Club
Scholarship

NURSING

Dr. Faheam and Helen Cannon Memorial Nursing
Scholarship
Dr. Ben Cobb Memorial Nursing Award
John Andrew Colvin Memorial Scholarship
Mary Davidson Memorial Nursing Scholarship
Mauri Anne Hancock Memorial Nursing
Scholarship
Monroe District Nurses Association Scholarship
Endowment
Franciscan Missionaries Endowed Scholarship in
Nursing
Dorothy K. Page Memorial Nursing Scholarship
Ted D. Price Memorial Scholarship
Sam Rubin Jr. Memorial Nursing Scholarship
The Sis Barringer Myers - American Petroleum Institute
Scholarship
Carolyn Thom Sullivan Nursing Scholarship
Christine Taunton Scholarship in Nursing

Pilot Club of Monroe, Louisiana, Inc. Scholarship
Melissa G. Mahaffey Memorial Scholarship

SPEECH-LANGUAGE PATHOLOGY

Lawrence Danna Speech Scholarship
Lynn Rowe Moore Speech-Language Pathology
Scholarship
George Moses Memorial Endowment
Sertoma Club of Monroe-West Monroe
Scholarship

PHARMACY

PHARMACY

E. W. and Gladys Brown Memorial Scholarship
Bruce Buckingham Memorial Scholarship
CAPA - Billy Middleton Memorial Scholarship
Calcasieu Pharmaceutical Association Scholarship
Charles Daspit Memorial Scholarship
Fifth District Pharmaceutical Association Scholarship
Vincent Lomonte Memorial Scholarship
Evelyn MacKay Scholarship
Cardinal Health Scholarship Endowment
Ted D. Price Memorial Scholarship
John D. and Avis S. Ramsey Memorial Endowed
Scholarship
School of Pharmacy Endowment
Allen B. Thigpen Memorial Scholarship

TOXICOLOGY

American Petroleum Institute, Custer K. Primos
Memorial Scholarship

PRESIDENT'S OFFICE

PRESIDENT

John Lucien McDonald, Sr. Family Memorial
Endowment Fund

STUDENT AFFAIRS

STUDENT LIFE & LEADERSHIP

Nick Lassiter Memorial Scholarship
ULM Student Involvement Scholarship

NON-TRADITIONAL STUDENTS

Pearl Gaskins Cofer Memorial Endowed Scholarship
Monroe/West Monroe Business & Professional
Women's Scholarship

WATER SKI TEAM

Vicky C. Anzalone Memorial Scholarship
Tom Murphy Memorial Endowed
Scholarship

GENERAL / NON-SPECIFIC

Abell Scholarship
T. W. Auger Memorial Scholarship
The Beta Nu Chapter of Sigma Tau Gamma Fraternity
Scholarship
Dennis Robert "Bob" Carrol Jr. Memorial
Scholarship

Morris Henry Carroll Memorial Endowed
Scholarship
CENLA Alumni Chapter Educational
Scholarship
Christian Science Academic Scholarship
Karen Ohme Coon Endowed Memorial Scholarship
Employee Activity Committee (EAC) Scholarship
Paul and Mary V. Fink Scholarship
Oscar Cahn and Kurt & Irmgard Fisher Scholarship
Franklin Parish Alumni ULM Endowed Scholarship
Jeffrey Gathings Memorial Scholarship
Milton and Bertha Masur Gorn Scholarship
Mary Goss Charities Scholarship
Harper Memorial Endowed Scholarship
Jim Hawkins Scholarship
Ernest and Sophia Holloway Scholarship Fund
Howard's Endowment Fund
T. and Dollie John Endowed Scholarship Fund
Michael Todd Johnson Memorial Scholarship
La Quinta Motor Inns Endowed Scholarship
Natalie and Sara Lenard Scholarship
A. B. and Alyne Little Family Memorial Scholarship
George "Chip" Luffey Memorial Scholarship
Elise Mapp Endowed Scholarship
John Ben McCoy and Inez McCoy
Loper Memorial Endowed Scholarship
Anna Meyer Trust
George A. Miller Memorial Scholarship
Mitchiner - Gittinger Endowed Scholarship
Am Vets Post 66 Scholarship
Frances Morris Memorial Scholarship
L Club Children's Memorial Scholarship
Kiwanis Club Scholarship
Lake Oxford Memorial Scholarship
Otto E. Passman Scholarship
Rotary Club of Monroe Endowed Scholarship
Richard S. Rowan Memorial Scholarship
Scherck Bogen Endowed Scholarship
Mayme and Tom Scott Baptist Children's Home
Scholarship
Tom and Mayme Scott Scholarship
Elsie Webb Scholarship Endowment
Don Weems-31 Ambassador Endowed Scholarship
Jessie G. and Doniel B. Weil Memorial Endowed
Scholarship
T. J. Williams Memorial Scholarship
Wine Over Water Endowed Scholarship
Donald Holland Memorial Endowment
Charlie McDonald Scholarship
Sherman - Jackson Endowed Scholarship
Johnette Tollett Memorial

ANNUAL SCHOLARSHIPS

ARTS AND SCIENCES

AGRICULTURE

Bayou Kennel Club, Inc. Scholarship

ART

Fanny Halbert Foundation Scholarship

ARTS AND SCIENCES

Frank Morgan Jr. Scholarship

BIOLOGY

Ouachita Medical Society Auxiliary, Inc. Scholarship
John D. and Avis S. Ramsey Memorial Annual
Scholarship

CRIMINAL JUSTICE

Buddy Henderson Memorial Scholarship
Jerry Posey Memorial Scholarship
West Monroe Police Reserve Criminal Justice
Scholarship

FOREIGN LANGUAGE

Sigma Delta Pi Scholarship

GERONTOLOGY

Gerontology Faculty Scholarship
Dr. Robert Haacker Memorial Award/Scholarship in
Gerontology
Stephanie Pepper Memorial Scholarship in Gerontology

MASS COMMUNICATION

James A. Noe Memorial Scholarship
James A. Noe Recruiting Scholarship
Radio Monroe KNOE FM Scholarship

MATHEMATICS

The Kelly Mathematical Merit Scholarship

MUSIC

Roger DiGiulian Memorial Scholarship
Roger Vernon Foss Memorial Music Education
Scholarship
LA Federation of Music Clubs - Monroe District
Christmas Madrigal Dinner Scholarship
Mac McClung Choral Award

SOCIAL WORK

Eris Ginn Honors Award in Social Work
Social Work Program Award of Excellence

BUSINESS ADMINISTRATION

BUSINESS ADMINISTRATION

Edric Thomas Award of Courage
Northeast Louisiana Society for Human Resource
Management

COMPUTER INFORMATION SYSTEMS

Computer Information Systems Scholarship Fund

RISK MANAGEMENT AND INSURANCE

Independent Insurance Agents of Ouachita, Inc.
Scholarship
Insurance Professionals of Northeast Louisiana
Scholarship
Northeast Louisiana Chapter Society CPCU
Finance/Insurance

EDUCATION AND HUMAN DEVELOPMENT

CURRICULUM AND INSTRUCTION

Franklin Parish Teacher Education Scholarship
John D. and Avis S. Ramsey Memorial Annual
Scholarship
ULM Special Education Department Scholarship

EDUCATION AND HUMAN DEVELOPMENT

Fidelis Gamma Chapter of Alpha Delta Kappa
Scholarship

HEALTH SCIENCES

CLINICAL LABORATORY SCIENCES

Clinical Laboratory Science Society Mark Jones
Memorial Scholarship
Sackman Marx LifeShare Blood Center Scholarship
St. Francis North Hospital Auxiliary Scholarship
Ouachita Medical Society Auxiliary, Inc. Scholarship
John D. and Avis S. Ramsey Memorial Annual
Scholarship

SPEECH-LANGUAGE PATHOLOGY

George Moses Speech and Hearing Scholarship
George Moses Speech & Hearing Graduate
Scholarship
St. Francis North Hospital Auxiliary Scholarship

DENTAL HYGIENE

Dental Hygiene Scholarship Fund

HEALTH SCIENCES

Morehouse Parish Medical Society Auxiliary
Scholarship
Lettie P. Whitehead Foundation Scholarship

NURSING

Grand Council Chapter Masonic Foundation of LA
Scholarship-Nursing
Morehouse Parish Medical Society Auxiliary
Scholarship
St. Francis North Hospital Auxiliary Scholarship
Ouachita Medical Society Auxiliary, Inc. Scholarship
Carol Price Memorial Scholarship in Nursing
Richardson Medical Center Scholarship in Nursing
Uniforms For You Scholarship
Lettie P. Whitehead Foundation Scholarship
Richard Sorenson Scholarship-Nursing

OCCUPATIONAL THERAPY

The Amanda Hernandez Spirit of OT Scholarship
St. Francis North Hospital Auxiliary Scholarship

RADIOLOGIC TECHNOLOGY

St. Francis North Hospital Auxiliary Scholarship
Ouachita Medical Society Auxiliary, Inc. Scholarship
Richard Sorenson Scholarship-Radiology

PHARMACY

PHARMACY

College of Pharmacy Hurricane Scholarship
NACDS Foundation Pharmacy Partners Scholarship
St. Francis North Hospital Auxiliary Scholarship
Reinhaus Foundation Scholarship
Lettie P. Whitehead Foundation Scholarship
CVS Caremark Scholarship

TOXICOLOGY

International Paper Scholarship in Toxicology

PRESIDENT'S OFFICE**PRESIDENT'S OFFICE**

ULM General Scholarship Fund

GENERAL / NON-SPECIFIC

CenturyTel Corporation Scholarships
 Dallas / Ft. Worth Alumni Chapter Scholarship Fund
 De Nova Book Club Scholarship
 Farmers Grain Terminal Scholarship
 Howard Hicks Memorial Scholarship
 Strauss Interests Scholarship
 Martin Foundation Scholarship
 The Matador Club of Monroe Scholarship
 Lea Joyner Memorial "A Life for a Life" Scholarship
 Richland State Bank - Fred Morgan Memorial
 Scholarship
 The Community Foundation of Shreveport-Bossier
 Scholarship
 Berry Plastics Scholarship
 Tri-District Boys Club Scholarship Fund
 CIAF - Central Louisiana Chapter
 CIAF - Lafayette Chapter
 B. J. Crowley Memorial Scholarship Fund
 Desk & Derrick Club - Shreveport Chapter
 Paul Martin Memorial Scholarship

For detailed criteria on each scholarship please visit the ULM Foundation Web site @www.ulm.edu/scholarships/ if you have any questions please contact: Cindy Leath (318)342-3687 or leath@ulm.edu

**ULM ATHLETIC FOUNDATION
SCHOLARSHIPS**

**(Provided to the University for Athletic
Scholarships Support)**

FRANK BUCHANAN MEMORIAL ENDOWED SCHOLARSHIP. Established as a memorial by his wife, Mrs. Shirley Buchanan, and family.

BILL BURROUGHS ENDOWED SCHOLARSHIP. Established as a memorial by family and friends.

ALVA S. HUFFMAN MEMORIAL SCHOLARSHIP. Established as a memorial by the Harry M. Lemert High Twelve Club. Mr. Huffman was head of the Department of Health and Physical Education for thirty years (1940-1970).

JOHNNY HUNTSMAN ENDOWED SCHOLARSHIP. Established by Monroe businessman Johnny Huntsman.

JIM MALONE MEMORIAL SCHOLARSHIP. Established by the The University of Louisiana at Monroe Athletic Scholarship Foundation in memory of legendary coach Jim Malone (1934-1953).

CHARLES F. MARTIN MEMORIAL SCHOLARSHIP. Established by family and friends in memory of Charlie Martin who started the athletic training program and built on it over 24 years of service.

JOHN D. PARKER MEMORIAL SCHOLARSHIP. Established by the family and friends of Dr. John D. Parker.

MELVIN R. SHOWS MEMORIAL SCHOLARSHIP. Established by the family and friends of Melvin R. Shows.

LENNY FANT MEMORIAL SCHOLARSHIP. Established by supporters and friends of Lenny Fant, former basketball coach (1957-1979). Provides scholarships for the son or daughter of a former NLU men's basketball letterman or a player working toward his degree upon expiration of athletic eligibility.

JAMES H. RIVERS ENDOWED GOLF SCHOLARSHIP. Established by family and friends of the late James H. Rivers. Provides scholarships for student athletes on the ULM golf team.

LARRY BUTLER MEMORIAL SCHOLARSHIP. Established by Tim McGraw in memory of Larry Butler, long-time coach, teacher and administrator at Start Junior High and High School. Provides scholarships for members of the men's basketball team.

JOHN C. PITTINGTON MEMORIAL SCHOLARSHIP. Established by the University of Louisiana at Monroe Athletic Scholarship Foundation in memory of aquatics coach John Pittington. Provides scholarships for student athletes in an approved NCAA sport.

AWARDS

ACADEMIC ACHIEVEMENT AWARD: Presented to the top ten percent of each Military Science class based on grades earned in ROTC subjects in competition with their peers.

ALPHA DELTA KAPPA—ALPHA GAMMA AND ALPHA CHAPTERS' AWARDS: Awarded annually to outstanding women student teachers.

ALPHA OMICRON PI AWARDS: Awarded annually—the Pledge Cup Award, Outstanding Member Award, Outstanding Pledge Award, and Outstanding Scholarship Award.

ALPHA PSI OMEGA (DRAMA) EMMA ALEXANDER AWARD: For outstanding contribution to theatre at ULM.

ALPHA PSI OMEGA (DRAMA) TECHNICAL ACHIEVEMENT AWARD: For outstanding technical work on a dramatic production.

AMERICAN CHEMICAL SOCIETY ANALYTICAL CHEMISTRY AWARD: Awarded annually by the ACS to the outstanding student in Analytical Chemistry.

AMERICAN CHEMICAL SOCIETY ORGANIC CHEMISTRY AWARD: Awarded annually by the ACS Polymer Division to the outstanding student in organic chemistry.

AMERICAN DEFENSE PREPAREDNESS AWARD: Awarded to the Military Science IV cadet who is in the upper half of the academic class and rated in the top twenty percent of his platoon and company at Advanced Camp.

AMERICAN INSTITUTE OF CHEMISTS AWARD: Awarded annually by the AIC to the outstanding graduating senior in Chemistry.

AMERICAN LEGION GOLD MEDAL: Awarded annually to the senior ROTC cadet who demonstrates academic excellence and general military excellence by showing outstanding leadership, discipline, character, and citizenship.

AMERICAN PHARMACEUTICAL ASSOCIATION SENIOR RECOGNITION AWARD: Awarded annually to a

graduating pharmacy senior who has exhibited outstanding work in the Academy of Students of Pharmacy chapter.

AMERICAN SOCIETY OF HOSPITAL PHARMACISTS STUDENT LEADERSHIP AWARD: Awarded annually to a pharmacy student who has interest and leadership in institutional pharmacy practice.

AMERICAN VETERANS OF WORLD WAR II, KOREA AND VIETNAM MEDAL: Awarded annually to the Advanced Course cadet who has demonstrated superior patriotism and is in good standing in ROTC and academic subjects.

ARMED FORCES COMMUNICATIONS AND ELECTRONICS MEDAL: Awarded annually to the outstanding senior ROTC cadet who is majoring in math, chemistry, physics or technical photography, who has demonstrated superior leadership and academic achievements.

ARMY SUPERIOR CADET MEDAL: Awarded annually to the most outstanding cadet in each Military Science class. The cadet must be in the upper one-fourth of the class both academically and in Military Science, and have demonstrated exemplary leadership and achievement.

ASSOCIATION OF THE UNITED STATES ARMY MEDAL: Awarded annually to the third year cadet who is in the top ten percent of the Military Science class and top twenty-five percent of the academic class, and who has contributed most to advancing the standing of ROTC at the University.

ASSOCIATION OF THE UNITED STATES ARMY MILITARY HISTORY AWARD: Awarded annually to the cadet who has demonstrated excellence in the study of military history.

AWARD OF EXCELLENCE IN CLINICAL COMMUNICATION: Awarded annually by the Facts and Comparisons Publishing Corporation to a graduating pharmacy senior who has exhibited a level of excellence in clinical pharmacy, particularly as this pertains to patient contact and communications.

BANCROFT BOWL: The Bancroft Silver Bowl, donated by T.O. Bancroft, is awarded to the outstanding company in the ROTC Cadet Corps. The name of the winning company and the company commander will be engraved on the bowl.

BARKDULL FAULK POST, AMERICAN LEGION MEDAL: Awarded annually to the fourth-year cadet who is in the top 25% of the class in Military Science and academic grades and has demonstrated general military excellence.

BARKSDALE CHAPTER NATIONAL SOJOURNERS MEDAL: Awarded annually to the second or third year cadet who has demonstrated outstanding patriotism and is in the upper 25% of the academic class.

HARRY M. BELL ACCOUNTING AWARD: Awarded annually to an outstanding junior or non-graduating senior in accounting.

DR. WILLIAM L. BENDEL MEMORIAL TROPHY: Awarded annually to the outstanding pre-medical student.

BETA GAMMA SIGMA AWARD: Awarded annually to the outstanding Master of Business Administration graduate in Beta Gamma Sigma.

BETA GAMMA SIGMA AWARD: Awarded annually to the outstanding graduating senior in Beta Gamma Sigma.

BETA GAMMA SIGMA AWARD: Awarded annually to the outstanding junior in Beta Gamma Sigma.

BETA SIGMA BIOLOGICAL SOCIETY AWARD: Awarded annually to the outstanding biology major.

OUTSTANDING BIOLOGY SENIOR AWARD: Awarded annually to the outstanding senior majoring in Biology.

GOUL S. BROWN MEMORIAL AWARD: The "Flying Farmer Award" is presented annually to the Agriculture senior with the highest scholastic achievement.

DERWOOD CANN MEDAL: Awarded annually to the fourth-year Military Science cadet with the best overall ROTC Advanced Camp performance.

CENTRAL SAVINGS BANK AND TRUST COMPANY AWARD: Awarded annually to the fourth-year military science cadet demonstrating the greatest overall improvements in academic studies and leadership.

CHEMICAL RUBBER COMPANY FRESHMAN CHEMISTRY AWARD: Awarded annually by CRC to the outstanding freshman chemistry student.

CHOIR SERVICE AWARD: Awarded annually to the outstanding graduating choir member.

COLLEGE OF BUSINESS ADMINISTRATION DEAN'S AWARD: Awarded annually to an outstanding student in the College of Business Administration based upon scholarship, leadership, character, and extracurricular activities.

COLLEGE OF BUSINESS ADMINISTRATION DISTINGUISHED GRADUATE AWARD: Awarded annually to an outstanding student in the College of Business Administration based upon scholarship, leadership, character, and extracurricular activities.

COLLEGE OF BUSINESS ADMINISTRATION HONOR AWARD: Awarded annually to an outstanding student in the College of Business Administration based upon scholarship, leadership, character, and extracurricular activities.

COLLEGE OF EDUCATION ALUMNI ASSOCIATION AWARDS: Awarded to one or more education majors with 3.0 overall GPA and evidence of financial need.

COLONIAL DAMES OF THE 17TH CENTURY AWARD: Awarded to the cadet who has good grades in Military Science and academic subjects, and who has demonstrated patriotism by enthusiastic participation in the ROTC program.

OUTSTANDING COLOR GUARD AWARD: Presented to the Military Science cadet demonstrating the highest degree of motivation and proficiency in Color Guard activities throughout the school year.

SPEECH-LANGUAGE PATHOLOGY INNOVATIVE CLINICAL TECHNIQUES AWARD: The recipient(s) must be a student(s) who has at least a 3.0 GPA and has completed at least one section of CODI 576. The innovative technique must deal with assessment or remediation, must be original, and must have been judged

as “clinically useful” by at least 50% of the faculty. The student must submit the technique to the faculty.

SENIOR COMPUTER SCIENCE AWARD: Awarded annually to the outstanding senior computer science major.

FRESHMAN COMPUTER SCIENCE AWARD: Awarded annually to an outstanding freshman in computer science.

OUTSTANDING STUDENT IN COMPUTER INFORMATION SYSTEMS: Awarded annually to the outstanding senior majoring in Computer Information Systems.

OUTSTANDING CRIMINAL JUSTICE MAJOR: Awarded annually to the outstanding Criminal Justice major.

DAUGHTERS OF AMERICAN REVOLUTION MEDAL: Awarded annually to the fourth year cadet who is in the top 25% of the class in ROTC and academic grades, and who has demonstrated outstanding character, discipline, leadership, and patriotism.

DAUGHTERS OF FOUNDERS AND PATRIOTS OF AMERICA MEDAL: Awarded annually to the first- or second-year cadet who has excelled in the Military Science class and has demonstrated high patriotism and leadership.

DELTA KAPPA GAMMA (ALPHA NU CHAPTER): Frances Baldwin Recruitment Grant: Awarded to an outstanding senior teacher education major who will be student teaching during the current academic year.

DELTA KAPPA GAMMA (ETA CHAPTER): Recruitment Grant: Awarded to an outstanding senior teacher education student.

DELTA OMICRON AWARD: Awarded annually to the outstanding member.

OUTSTANDING STUDENT IN DENTAL HYGIENE AWARD: Awarded annually by the Louisiana Dental Hygienists’ Association to the outstanding senior majoring in Dental Hygiene.

DENTAL HYGIENE CLINICAL AWARD: Awarded annually by the Northeast Louisiana Dental Hygienists’ Association to the student who in the opinion of the faculty has performed at an outstanding level in all aspects of clinical practice.

DENTAL HYGIENE SCHOLASTIC ACHIEVEMENT AWARD: Awarded annually to the graduating senior who has the highest average in the class.

ARK-LA-MISS DENTAL SPECIALTY CENTER AWARD: This award goes to the dental hygiene student who demonstrates outstanding achievement in the basic science of Head and Neck Anatomy and the clinical science of General and Oral Pathology. The student must also demonstrate the character and personal integrity most desirable in the profession of Dental Hygiene.

DISTINGUISHED MILITARY STUDENT: Presented annually to the top twenty-five percent of the ROTC senior class for academic and leadership achievements.

DRAMA/THEATRE AWARDS: Awarded annually by the Department of Speech Communication and Theatre to outstanding student actors and actresses in the

categories of Best Actor, Best Actress, Best Supporting Actor, and Best Supporting Actress.

ECONOMICS AWARD: Awarded annually to the outstanding student in Economics.

FAMILY AND CONSUMER SCIENCES AWARDS: Awarded annually to the outstanding senior student majoring in Family and Consumer Sciences.

OUTSTANDING FORENSIC ACHIEVEMENT AWARD: Awarded to the team member who contributed most to the Forensics program as determined by the Director of Forensics.

SENIOR ENGLISH AWARD: Awarded to an outstanding senior majoring in English.

ROBERT EWING, JR., JOURNALISM AWARD: Awarded annually to an outstanding journalism student.

FACULTY SCHOLASTIC RECOGNITION AWARD (PHARMACY): A rotating plaque award presented to the organization (Kappa Epsilon, Kappa Psi, or Phi Delta Chi) with the highest grade average for the Spring and Fall Semesters.

FINANCE—COMMERCIAL BANKING AWARD Awarded annually to the outstanding student majoring in Finance—Commercial Banking.

FINE ARTS CLUB AWARD: Awarded annually to an outstanding student in one of the fine arts.

MOST IMPROVED COLORGUARD AWARD Awarded to the ROTC cadet who is the most improved and has excelled in drill proficiency.

GENERAL BUSINESS AWARD: Awarded annually to the outstanding student majoring in General Business.

ERIS J. GINN AWARD IN SOCIAL WORK: Awarded to an outstanding student entering practicum.

OUTSTANDING GRADUATE STUDENT IN ENGLISH: Awarded to an outstanding Graduate Student majoring in English.

H.B. “Hank” HARGROVE MEMORIAL AWARD FOR ACADEMIC ACHIEVEMENT IN AVIATION STUDIES: Established by the Southern Airway Pilot’s Association. Awarded annually to the graduating senior in Aviation with the highest academic standing.

HISTORY OF PHARMACY AWARD: Awarded annually by the American Institute of the History of Pharmacy to a graduating pharmacy senior who has demonstrated exceptional achievement in the area of pharmaco-historical study.

RODNEY J. HOBBS POST VETERANS OF FOREIGN WARS MEDAL: Awarded annually to the cadet who has good grades and has demonstrated outstanding achievement in Military Science subjects and activities.

ROBERT L. HOLT AWARD FOR EXCELLENCE IN CHEMISTRY: Presented to a chemistry major (sophomore, junior or senior) who has demonstrated outstanding academic performance. Selection by the Chemistry Faculty is partially based on financial need.

ALVA S. HUFFMAN AWARDS: Awarded annually to the outstanding male and female senior majoring in Health and Physical Education.

INSURANCE AND REAL ESTATE AWARD: Awarded annually to the outstanding student majoring in Insurance and Real Estate.

PRESTON JUVENAL AWARD: Awarded annually by the Athletic Committee to a freshman athlete who has demonstrated excellence in three areas: scholarship, character, and leadership.

KAPPA EPSILON AWARDS: (1) Outstanding Member Award presented to the graduating senior of Kappa Epsilon voted the most outstanding, most active, by the Fraternity. (2) Outstanding Pledge Award.

KAPPA KAPPA IOTA AWARD: Awarded to an outstanding senior teacher education major.

KAPPA TAU ALPHA OUTSTANDING SCHOLAR Recognizes the senior with the superior academic achievement in the Mass Communications major.

FRANCIS S. KELSO OUTSTANDING SENIOR FAMILY AND CONSUMER SCIENCES AWARD: An annual award based on scholarship, participation, dedication to the profession, and promise of professional growth.

KNIGHTS OF COLUMBUS AWARD: Presented to the cadet in the Military Science III class who has shown outstanding examples of high moral character, ability to perform in a leadership role, and a desire to serve his country.

ALBERT P. LAUVE MEMORIAL AWARD: Awarded annually to a graduating pharmacy senior who has demonstrated good moral character and exceptional performance in both hospital related courses and the hospital environment.

LEMMON AWARD: Awarded annually to a graduating senior in pharmacy with outstanding qualities of leadership and interest in pharmacy.

LILLY ACHIEVEMENT AWARD: Awarded annually to the graduating pharmacy senior having the highest scholastic average in the professional curriculum.

LEAH LOMBARD AWARD: Awarded annually to a fourth year woman in the School of Pharmacy.

LOUISIANA NATIONAL GUARD SMP AWARD: Awarded to the most outstanding Military Science IV cadet who is a member of the Louisiana Army National Guard.

MALLINCKRODT AWARD: Awarded annually to the outstanding graduate in Radiologic Technology.

OUTSTANDING STUDENT IN MANAGEMENT: Awarded annually to the outstanding senior majoring in Management.

MARCUS B. MAPP AWARD FOR EXCELLENCE IN TEACHING: Awarded each semester to an outstanding Geosciences Graduate Assistant for his or her teaching performance.

OUTSTANDING STUDENT IN MARKETING: Awarded annually to the outstanding senior majoring in Marketing.

GEORGE C. MARSHALL ROTC AWARD: Awarded to the most outstanding Military Science IV cadet in each ROTC unit.

BEVERLY JEAN MARVIN MEMORIAL ART AWARD: Awarded each semester to outstanding students majoring in any area of the visual arts. Number of recipients varies, depending on the funds available.

MASTER OF BUSINESS ADMINISTRATION ASSOCIATION OUTSTANDING MBA GRADUATE AWARD: Awarded annually to the outstanding student in each graduating class of the Master of Business Administration program in the College of Business Administration.

FRESHMAN MATHEMATICS AWARD: Awarded annually to an outstanding student in mathematics.

SENIOR MATHEMATICS AWARD: Awarded annually to an outstanding senior mathematics major.

McKESSON AWARD: Awarded annually to the outgoing president of the local chapter of the Academy of Students of Pharmacy (ASP).

MCNEIL DEAN'S AWARD: Awarded annually to the graduating senior with outstanding achievement in Pharmacy Administration.

MERCK, SHARP AND DOHME AWARDS: Three annual awards presented to the first professional year pharmacy student with the highest entering grade point average and the two graduating pharmacy seniors with outstanding achievement in Medicinal Chemistry and Pharmaceutics, respectively.

MILAN PHARMACEUTICALS EXCELLENCE IN PHARMACY AWARD: Awarded annually to a student demonstrating high professional motivation.

MILITARY ORDER OF THE PURPLE HEART AWARD: Presented annually to the junior ROTC cadet who clearly demonstrates outstanding leadership and actively participates in ROTC activities.

THE MILITARY ORDER OF THE WORLD WARS AWARD: Awarded annually to the ROTC cadet who has shown the most improvement in military and scholastic studies during the school year.

MONROE CITY CLASSROOM TEACHERS ASSOCIATION AWARD: Two awards for excellent prospective teachers who are or will be student teaching in Monroe City Schools (Fall student and Spring student teacher selected.)

MONROE CITY PANHELLENIC AWARD: Awarded annually to the most outstanding sorority woman.

JOHN SINGLETON MOSBY AWARD: Awarded to the Bayou Raider who has demonstrated the highest degree of motivation and proficiency in Raider activities throughout the school year.

MOST PROMISING GRADUATE CLINICIAN AWARD: Awarded to first year graduate clinician with outstanding clinical performance. Recipient cannot have been enrolled in clinic as an undergraduate student. The recipient must hold local and national NSSLHA membership.

MUSIC EDUCATOR'S NATIONAL CONFERENCE AWARD: Awarded annually to the outstanding student teacher of music.

NATIONAL SOJOURNERS MEDAL: Provided annually to a sophomore or junior ROTC cadet who achieved academic excellence and who demonstrated and encouraged the ideas of Americanism in deed and conduct to the Corps of Cadets and on campus.

NATIONAL STUDENT SPEECH LANGUAGE HEARING ASSOCIATION GRADUATE AWARD: Recognizes a full time graduate student in the Speech-Language Pathology program with a GPA of 3.5 or higher who demonstrates outstanding involvement in professional or related activities. Must hold local and national NSSLHA membership.

NATIONAL STUDENT SPEECH LANGUAGE HEARING ASSOCIATION, ULM CHAPTER, AWARD: Recognizes a junior or senior in the Speech-Language Pathology program for academic achievement, maintaining a cumulative grade point average of 3.5 or higher and demonstrating outstanding involvement in professional and related activities. The recipient must hold local and national NSSLHA membership.

NATIONAL STUDENT SPEECH LANGUAGE HEARING ASSOCIATION OUTSTANDING ACHIEVEMENT AWARD: Recognizes a student in Speech-Language Pathology demonstrating outstanding classroom and clinical abilities and contributing leadership and service to NSSLHA. Must hold local and national NSSLHA membership.

NEWS-STAR JOURNALISTIC EXCELLENCE AWARD: Annually honors an outstanding senior for achievements in the areas of reporting, editing, and journalistic professionalism.

NURSING FACULTY AWARD: Awarded to the outstanding student in each graduating class based on scholarship, leadership, and qualities of professionalism.

OCCUPATIONAL THERAPY CLINICAL AWARD: Awarded annually to the senior OT student or OTA student who has performed at an outstanding level in all aspects of clinical practice.

OCCUPATIONAL THERAPY SCHOLASTIC ACHIEVEMENT AWARD: Awarded annually to the senior OT student or OTA student with the highest grade point average.

OUTSTANDING STUDENT IN OCCUPATIONAL THERAPY AWARD. Awarded annually to the outstanding senior OT student or OTA student.

OFFICE INFORMATION SYSTEMS ASSOCIATE OF SCIENCE AWARD: Awarded annually to an outstanding student completing the Office Information Systems Associate of Science program.

PFIZER PHARMACEUTICALS COMMUNITY PHARMACY AWARD: Awarded annually to a graduating senior pharmacy student for excellence in the area of community pharmacy practice.

PHARMACOLOGY AWARD: Awarded annually to a senior pharmacy student who has shown outstanding performance in Pharmacology.

PHARMACY RESEARCH ACHIEVEMENT AWARD: Awarded annually to a graduate student for research achievement in the College of Health Sciences. Awards are presented to one or more students in each Division of the College of Health Sciences.

PHI ALPHA THETA AWARD: Awarded annually to an outstanding undergraduate and graduate member of the Epsilon-Tau Chapter of Phi Alpha Theta, national honor society in history.

PHI BETA MU BAND AWARD: Awarded annually to the outstanding senior bandsman.

PHI DELTA CHI AWARDS: Two achievement awards are presented during the spring semester. One award goes to the member with the highest quality point average. The second award goes to the member with the most improved quality point average.

PI SIGMA EPSILON CERTIFICATE OF MERIT: Awarded annually to the outstanding member of Pi Sigma Epsilon.

PRESIDENT'S AWARD: Awarded annually by direction of the President of ULM to the cadet in each Military Science class with the highest overall academic average during the previous school semesters.

PREVENTIVE DENTAL HYGIENE AWARD: Awarded annually by Proctor and Gamble to the senior student who has made outstanding contributions in the areas of Community and Preventive Dentistry.

PROFESSOR OF MILITARY SCIENCE AWARD: Awarded to the cadet in each Military Science class who has demonstrated outstanding military leadership and is in the upper one-third of the Military Science class.

RECONDO BADGE: Presented to ROTC cadets who have successfully completed all phases of training at Advanced Camp, Fort Riley, Kansas, and have scored above the camp average in physical training, marksmanship, and land navigation.

RESERVE OFFICERS' ASSOCIATION MEDAL Awarded annually to the second, third, and fourth year cadet who ranks in the top 10% of his ROTC class and has demonstrated outstanding leadership.

RETIRED OFFICERS ASSOCIATION MEDAL Awarded annually to a junior ROTC cadet who shows exceptional potential for military leadership.

RHO CHI UNDERGRADUATE ACHIEVEMENT AWARDS: Certificates of Achievement issued to pre-pharmacy students with at least a 3.0 grade average.

ROCHE PHARMACY COMMUNICATIONS AWARD Awarded annually to the graduating senior pharmacy student who has demonstrated effective communication with patients, commitment to the profession, interest in patient care, and a congenial and compassionate attitude toward the needs of the patients.

ROTC "SPIRIT" AWARD: Savings bond, provided by an anonymous donor, awarded to the outstanding cadet in each Military Science class who has demonstrated outstanding patriotism, enthusiasm, and initiative in participation of ROTC activities.

SCABBARD AND BLADE AWARD: Awarded to the Scabbard and Blade member who has achieved and maintained the most exemplary standards of performance.

SIGMA LAMBDA CHI AWARD: Awarded each semester to the outstanding Construction graduate.

SIGMA LAMBDA CHI SCHOLARSHIP AWARD: Awarded each semester to the graduating senior in the School of Construction with the highest grade-point average.

SIGMA PHI ALPHA DENTAL HYGIENE AWARD: An annual award presented to two graduating seniors who rank in the upper twenty percent of their class, rank highest in character and exhibit qualities for future growth and attainment.

SIGMA PI SIGMA PRESIDENT'S AWARD: Awarded annually to the outstanding senior physics student as judged by the Physics Department faculty.

LEWIS C. SLATER AWARD: Awarded annually to an outstanding chemistry student for scholarship and service to the department.

SMITH, KLINE, AND BEECHAM CLINICAL PHARMACY AWARD: Awarded annually to the graduating pharmacy senior who has demonstrated a combination of scholastic achievement and professional excellence in the clinical setting.

OUTSTANDING SOCIAL WORK MAJOR: Awarded annually to the outstanding senior Social Work major.

SOCIAL WORK PROGRAM AWARD OF EXCELLENCE: Awarded annually to a Social Work major with junior standing who has demonstrated commitment to the social work profession.

SOCIETY OF LOUISIANA CERTIFIED PUBLIC ACCOUNTANTS AWARD: Awarded annually to the outstanding accounting senior by the Society of Louisiana Certified Public Accountants.

SOCIETY OF THE WAR OF 1812: Presented annually to a sophomore cadet who demonstrates academic excellence and high moral character.

SPECIAL ACHIEVEMENT AWARD IN SOCIAL WORK: Presented to the Social Work major with senior standing who has excelled in academics and/or extra curricular activities.

OUTSTANDING SOCIOLOGY MAJOR: Awarded annually to the outstanding senior Sociology major.

SONS OF THE AMERICAN REVOLUTION MEDAL: Awarded to the first-year ROTC cadet who has distinguished himself by his leadership and is in the upper 10% of his Military Science class in ROTC and academic standing.

OUTSTANDING GRADUATE STUDENT IN COMMUNICATION: Awarded annually to a student who exemplifies commitment to scholarship and development of critical thinking skills. Recipient must possess an overall GPA of 3.5 or higher.

OUTSTANDING UNDERGRADUATE IN SPEECH-LANGUAGE PATHOLOGY AWARD: Presented to the undergraduate who has demonstrated outstanding service while displaying an attitude of cooperativeness and responsibility. The recipient must hold local and national NSSLHA membership.

GRADUATE CLINICIAN OF THE YEAR AWARD IN SPEECH-LANGUAGE PATHOLOGY: The recipient must be a full-time student for one of the four semesters of the academic year in which the award is given with an overall graduate GPA of 3.3 or higher, have completed one semester of graduate level clinic, and exemplify involvement in professional and related activities. The recipient must hold local and national NSSLHA membership.

GRADUATE RESEARCH AWARD IN SPEECH-LANGUAGE PATHOLOGY: Presented to a full-time student enrolled for one of the two semesters of the academic year in which the award is given. The student must have a graduate GPA of 3.3 or higher, and have demonstrated superior effort in the area of research as judged by 80% of the departmental faculty.

LADY STAHL MEMORIAL AWARD: Recognizes the most outstanding contributions to student publications.

STUDENT COUNCIL AWARDS: Awarded annually to the best all-around graduates, man and woman.

TARR AWARD: Awarded annually by Sigma Gamma Epsilon, Earth Sciences honorary, to an outstanding senior in Geosciences.

TELEVISION/FILM PRODUCTION AWARDS: Awarded for meritorious contributions in television and film production.

TOXICOLOGY AWARD: Presented to the toxicology senior having the highest grade point average in professional toxicology courses.

UNITED STATES ARMY RESERVE AWARD: Awarded annually to an advanced cadet who has shown the most improvement in military leadership, dependability, and adherence to military discipline since the previous semester.

UNIVERSITY INTERFRATERNITY COUNCIL SCHOLARSHIP CUP: Awarded annually to the fraternity with the highest scholarship.

UNIVERSITY PANHELLENIC COUNCIL SCHOLARSHIP CUP: Awarded annually to the sorority with the highest scholarship.

UNOCAL TOXICOLOGY FELLOWSHIP: Awarded annually to an upper division toxicology major showing exceptional commitment to Toxicology.

UPJOHN PHARMACY RESEARCH AWARD: Awarded annually to a graduating pharmacy student or senior graduate student in the College of Health Sciences for excellence in research.

GEORGE T. WALKER AWARD: Awarded annually by the Athletic Committee to a senior athlete who has demonstrated excellence in scholarship, character, and leadership.

WALL STREET JOURNAL AWARD: Awarded annually to an outstanding student in the College of Business Administration based upon scholarship, leadership, character, and extracurricular activities.

LILLIAN HERRON WILLIAMSON AWARD: Awarded to an outstanding library science student who is interested in librarianship as a profession.

Y'S MENS' ASSOCIATION OF MONROE AWARD: Annual award to the third-year ROTC cadet who has achieved the highest score on the Physical Fitness Test.

Other awards are made for excellence in athletics, intramural sports, history, and writing. Special recognition is given by the Mortar Board Tapping Ceremony to outstanding young students in scholarship, leadership, and service. Several professional awards are given annually by the School of Pharmacy.

DIVISION OF STUDENT AFFAIRS

(<http://www.ulm.edu/studentaffairs/>)

The Division of Student Affairs is leading the “students first” initiative by providing a “living laboratory” so that ULM students can assimilate knowledge they have gained in the classroom to real life situations by being actively engaged in the activities and programs provided by the Division.

The Division of Student Affairs encompasses the following areas:

- Aquatic Services
- Career Services
- Counseling Center
- Project Educational Talent Search
- Recreational Services & Facilities
- Student Health Services
- Student Life and Leadership
- Student Services and Judicial Affairs
- University Police Department

The Division further promotes student academic success through a variety of co-curricular, developmental, social, and recreational experiences leading to retention and graduation.

DEPARTMENT OF AQUATIC SERVICES/NATATORIUM

The Department of Aquatic Services supports the mission of the University through the Division of Student Affairs. The mission statement for the Natatorium is to provide a fun, safe, and clean environment for the students to recreate, exercise, study and feel that they are always top priority. The Department of Aquatic Services is responsible for providing students with an outlet for recreation and fitness. At the Natatorium, many classes are offered to students and the University community. These classes include both beginning and advanced swimming classes, different levels of water fitness classes, SCUBA diving classes, American Red Cross lifeguard training certification classes, American Red Cross water safety instructor classes, and learn to swim classes for all ages—6 months to adults. Activities other than classes that are offered include lounging on the beautiful sundeck that overlooks the bayou or paddling down the scenic bayou in one of the canoes or paddle boats. For additional information, please contact us at (318) 342-5315. We are located on the corner of Bon Aire and Stadium Drive.

CAREER SERVICES

Graduating seniors, graduate students and alumni are entitled to the free services of the Department of Career Services at the University of Louisiana at Monroe. All ULM students are welcome at the Career Day events. Students should register at the beginning of their last year of college by establishing a credentials folder. Establishing a folder will enable the registrant to participate in on-campus recruiting activities and to utilize the various services of the department.

A permanent credentials file containing a transcript of grades and personal data is maintained on each registrant for a period of ten years.

Although the University can provide academic instruction appropriate for many educational and career objectives, ultimately the student is responsible for obtaining employment.

Neither faculty members teaching classes, faculty advisers, Career Services personnel, Counseling Center counselors, nor other University personnel assisting students can assume responsibility for educational and career decisions, or for employment. Career Services is located in the Library, Room 227.

COUNSELING CENTER

The Counseling Center provides individual, couples, and group counseling to all enrolled ULM students. Services are free and confidential. The Center is also responsible for coordinating services for students with special needs.

PROJECT EDUCATIONAL TALENT SEARCH

The University of Louisiana at Monroe has sponsored an Educational Talent Search Program since 1980. Educational Talent Search is a federally-funded program designed to assist selected students from disadvantaged backgrounds in grades 6-12 to complete high school and then to enroll in some type of postsecondary educational institution. To accomplish this goal, Educational Talent Search offers a variety of services including career testing, tutorials, campus visitations, academic counseling, ACT briefings, college-survival workshops, and federal financial aid workshops. Our target area encompasses West Carroll, Madison, Richland and

Ouachita parishes. Currently, we offer our services to ten schools within this target area.

RECREATIONAL SERVICES

The Department of Recreational Services, encompassing Intramurals, Wellness, Recreation, and its associated facilities, is under the supervision of the Vice President for Student Affairs. The Department of Recreational Services' primary purpose is to provide recreation and wellness programs to the University community and to support development and maintenance of a healthy lifestyle and total well-being. Furthermore, it is the mission of the Department to provide these experiences in a manner which is fully supportive of and integral to the fulfillment of the mission of the University.

STUDENT HEALTH SERVICES

Student Health Services provides non-emergent medical care to students. Immunization services are also available. SHS is responsible for ensuring the state required immunization compliance of all students entering ULM for the first time.

STUDENT LIFE AND LEADERSHIP

The Department of Student Life and Leadership is responsible for promoting student growth by developing and/or promoting programs and activities where students excel in service and leadership both on campus and in the community. The Department of Student Life and Leadership encompasses the offices of Spirit Groups, Student Activities, and Greek Life. The Department challenges each student to expand their horizons and to experience the many opportunities available to them through leadership involvement in such programs and activities as student organizations, Greek Life, service learning, and leadership education.

STUDENT SERVICES AND JUDICIAL AFFAIRS

The Student Services and Judicial Affairs Department serves an integral function at the University of Louisiana at Monroe in that its primary role is to work within the Student Affairs Division to help establish a campus environment that promotes a wholesome educational atmosphere conducive to both intellectual and social learning experiences. This particular service is accomplished by providing opportunities for all students to optimally function in the areas of expectation awareness, health, residential life and leadership/development. Opportunities in expectation awareness are made available through the development and distribution of student policies and procedures. Further opportunities in expectation awareness are made available through the drafting, implementation, administration and adjudication of rules and regulations instituted by the ULM Code of Student Conduct, which is found in the Student Policy Manual available in the Student Services Department, Student Center, Room 239 and on-line at www.ulm.edu/studentpolicy/.

STUDENT UNION BUILDING (SUB) AND STUDENT CENTER (SC)

This newly renovated, multi-purpose facility is available for meetings and conferences. Room reservations can be made in the Student Center 239.

UNIVERSITY POLICE

The University of Louisiana at Monroe Police Department will provide a safe, welcome and orderly campus environment for the University of Louisiana at Monroe students, faculty, staff and visitors; and will provide an ethical, people-oriented work environment where members of the University of Louisiana at Monroe Police Department may enjoy their jobs, use their talents, respect one another, and grow as individuals. The University of Louisiana at Monroe Police Department, through programs and services, meets the needs of the University student, faculty, staff, and visitors.

DIVISION OF BUSINESS AFFAIRS

Student Account Services
(<http://www.ulm.edu/controller/sas/>)

TUITION AND FEE INFORMATION

UML students pay tuition per the number of semester hours scheduled, including courses taken for audit. Additional charges, such as laboratory, technology, and activity fees, housing, meals, and vehicle registration, will appear on the fee statement, if applicable. Any credits, such as scholarships and other types of financial aid, as well as prior tuition and fee payments, will also appear on the fee statement, ending with a net balance due. Payments may be made on the web through Arrow or at La Capitol Federal Credit Union [#6 on Campus Map].

NOTE: Credit Card payments for current tuition and fees will no longer be accepted over the phone or at La Cap Credit Union. Please log on to your Arrow account to pay online with a credit card.

PAYMENT PLAN OPTION

All students qualify for our online payment plan through Nelnet. Your total tuition and fees can be split into three equal payments that will automatically be drafted from a checking/savings account or debit/credit card. There is a \$40.00 processing fee for this service (\$25.00 for Nelnet fees and \$15.00 for ULM fees). For more information please visit www.ulm.edu/controller/sas/.

NOTE: All fees stated in this section are subject to change without notice. All fees must be paid in full to finalize registration.

Students may pay fees at La Capitol Credit Union, located on Northeast Drive in University Commons II. For convenience, student fee payments may also be made online with a credit card, debit card or check.

TUITION - All students pay a general tuition based on total student credit hours of enrollment. Undergraduate students enrolled in more than six credit hours and graduate students enrolled in more than three credit hours and are classified as non-Louisiana residents under the regulations of the University of Louisiana System Board of Supervisors will pay out-of-state tuition in addition to general tuition. Courses enrolled for audit will be charged tuition the same as courses for academic credit.

BOARD ASSESSED FEES - In addition to a general tuition based on total student credit hours of enrollment, a student will pay a building use fee, academic enhancement fee and an operational fee.

UNIVERSITY ASSESSED FEES - Based on the number of hours enrolled, this charge includes the registration service fee, academic excellence fee, institutional assessment fee, Alumni Association, band travel, concert fee, Student Health Services, intramurals, University Library, student short-term loan fund, natatorium maintenance, theater productions and energy surcharge fee.

STUDENT ASSESSED FEES - All students enrolled in more than three credit hours are charged fees in support of the Activity Center, KXUL, ULM Speech and Debate Team, Natatorium, Student Government Association, Student Involvement Scholarship, Student Publications, Student Union, Water Ski Team, ULM Flight Team, ULM Spirit Units, and ULM Theatre Productions. All students are charged fees for Student Union Renovations and Campus Activities Board.

TECHNOLOGY FEE - The Student Technology Fee shall be five dollars (\$5) per credit hour for up to 12 credit hours per semester. This fee is dedicated to the acquisition, installation, maintenance, and intelligent use of state-of-the-art technology solely for the purpose of supporting and enhancing student life and learning.

ID FEE - All students, faculty and staff are required to obtain a permanent ULM identification card. A non-refundable validation fee of \$15.00 each regular semester and a \$7.50 fee for each summer term will be charged. Students who resign from the University are expected to keep their ID cards for use upon returning. A \$15 fee will be assessed for a replacement card.

OTHER REGISTRATION FEES

APPLICATION FEE - A non-refundable application fee shall be assessed each person making application for admission or readmission to ULM. A subsequent application fee will be required when a student's enrollment is interrupted for any reason requiring a new application to the University.

ADDITIONAL COURSE FEES - In certain courses, special services, supplies or equipment may be used. Costs for these are not normally covered by fees, tuition or departmental operating budgets and, therefore, the cost is incurred by the student. These additional charges are listed in each semester's class schedule.

INTERNATIONAL STUDENT SERVICES FEE - All international students will be charged a fee of \$50 per regular semester and \$15 per summer term.

VEHICLE REGISTRATION FEE - Each student who uses a motor vehicle on the campus must register the vehicle with the University Police Department at the time of enrollment. Students will pay a \$50 yearly vehicle use fee during the Fall Semester.

LATE REGISTRATION FEE - Any student registering for four or more hours after the close of the regular registration period will be charged an additional late registration fee of \$50.

ELECTRONIC FEE - A student pays a \$50 fee for each distance learning course (internet, telecourse, etc.) in which he enrolls.

MILITARY SCIENCE ACTIVITY FEE - Textbooks, equipment, and military uniforms are furnished without deposit; however, each cadet is assessed a \$10 non-refundable activity fee to support cadet activities.

ON-CAMPUS MEAL PLAN CONTRACT

<u>Plan</u>	<u>Cost</u>	<u>Flex</u>	<u>Meals</u>
Gold	\$1,025	\$ 25	Unlimited
Platinum	\$1,025	\$125	15/week
Silver*	\$1,025	\$ 75	150/semester
*(Default Plan)			
Maroon	\$1,025	\$500	5/week
Village Apartments	\$ 500	\$350	20/semester (block)
Commuter I	\$ 350	\$250	20/semester (block)
Commuter II	\$ 250	\$275	
Summer Only	\$ 275	\$275	

All meal plan prices are subject to change no more than 5% in any Fall term.

Room and meal plan reservations are contracted separately through the Housing Office and the SACS Office, respectively. All students living on campus are required to contract for an on-campus meal plan. All meal plan changes must be made before the fifth (5th) class day. Unless a specific meal plan is indicated, residents will automatically be enrolled in the Silver Plan. If Village Apartment residents do not want the Silver Plan, within the first five days of class, they must contact the SACS Office to specify their meal plan choice. Village Apartment residents are not eligible for either Commuter Plan. Students living on- or off-campus, with less than 30 hours may choose from meal plans 1 through 3. Two Commuter Plans are offered for students living off-campus; however, students living off-campus may choose from any meal plan of their choice, if eligible. Students living on campus during rotations or participating in internships are required to pay for meals on a pro-rata basis according to days in residence.

At the twenty-first (21st) class day, those students with an unpaid balance on their Arrow Account will have their meal plans automatically adjusted to the Silver Plan.

All meal plans include "Flex-Dollars" that are the equivalent of cash and may be redeemed at any of Aramark's dining facilities. Flex-Dollar balances roll over from fall semester to spring, but do not roll over from spring to fall. Fall-term Flex-Dollars will be forfeited if a new meal plan is not purchased for the subsequent spring term. Additional Flex-Dollars may be purchased at any

time throughout the semester. Please contact the Aramark Office (ph: (318) 342-1979) for details.

Standard (block) meals are served at Schulze cafeteria. Dining services are not open during University closures and observed holidays. Please refer to the University calendar for scheduled closure dates and holidays.

Contact the SACS Office (ph: (318) 342-5003) to sign up for your plan or for any additional meal plan information.

ON-CAMPUS HOUSING

A non-refundable housing application fee of \$25 and a non-refundable room reservation fee shall be assessed to each person entering the student housing system for the first time. Please note that the requirements for the apartments are: graduate/upperclassmen by classification rank and cumulative GPA will receive first priority. Students must have 24 hours and maintain a 2.3 cumulative GPA to live in the apartments.

For information about the fees please visit our website at www.ulmreslife.com.

DISCRETIONARY EXPENSES

WARHAWK EXPRESS. Warhawk Express is a convenient way for students to make school related purchases without the need to carry cash. Warhawk Express is accepted at on-campus dining and concession outlets, bookstore, athletic events, University Library copiers, beverage, snack and laundry machines, and may be required for admittance to Campus Activity Board sponsored events. Warhawk Express works like a debit card, without the monthly bill. Depending on the student's needs, a deposit is made online using ARROW prior to the fee payment deadline or at Student Account Services or La Capitol Federal Credit Union to the student's Warhawk Express account. Each time a purchase is made using the Warhawk Express Card, the amount will be debited from the student's Warhawk Express account and the remaining balance will be displayed at the register so the card-bearer will always know what their balance is. Unlike Flex-Dollars used at any of Aramark's retail dining facilities, Warhawk Express balances carry over from semester to semester, as long as the student is enrolled. Cash withdrawals cannot be made from Warhawk Express accounts. All Warhawk Express refunds will be made at the end of the semester. Exceptions will be made for students who officially resign from the University. A \$10 processing fee will be withheld from balances before a refund is processed. For reasons of security, Warhawk Express account cancellations must be made in person at the SACS Office in University Commons II on Northeast Drive. After the fee payment deadline, if a student wishes to add funds to their Warhawk Express account they may do so only if they do not owe a debt to the University. If a student awaiting financial aid wants to add funds to their Warhawk Express account and for any reason, a portion or all of the aid is not awarded, then their Warhawk Express account will be frozen with funds no longer

available until all debts are paid. Financial Aid proceeds will be applied to any outstanding balances and students will be charged for Warhawk Express monies used to this point.

OTHER EXPENSES

TEXTBOOKS. The University Bookstore is your one-stop resource for textbooks and everything the student needs for success in the classroom - notebooks, binders, paper, pens, pencils, highlighters, markers, scantrons, blue books, and calculators - as well as test preps, study guides, and other resource materials.

The store offers a large variety of apparel and accessories adorned with the school logo, including hats, caps, shirts, shorts, jackets, socks, and umbrellas. Sizes range from infant to XXXL.

In addition to the large variety of gift items the store has to offer, the student will find gift wrap, balloons and greeting cards.

The Graduation Center is the graduating senior's source for graduation regalia, invitations, rings, and more.

Fax and copy services are always available.

Online ordering is available at the store's website, www.ulmbookstore.com.

From snack food and beverages to textbooks and supplies, the University Bookstore, located in Sandel Hall next to Admissions, has everything needed for the ULM student.

FIELD TRIP FEES. Certain courses require trips away from the campus. Specific fees for these courses will be announced at the beginning of the semester or summer term.

BINDING FEE. Graduate students will pay the necessary fees to cover the costs of binding the thesis or dissertation at \$9.50 per volume and \$55 for microfilming the dissertation.

ULM CREDIT EXAMINATION. Students who take a credit examination pay a fee of \$10 per semester hour.

DENTAL HYGIENE FEE. In addition to regular University fees, students in the Dental Hygiene program should expect to pay approximately \$1,000 for instruments and supplies and approximately \$300 for laboratory coats and uniforms.

NURSING FEE. In addition to the regular University fees, students entering the College of Nursing Professional Program should expect to pay approximately \$900 for instruments, name badges, textbooks, and uniforms.

TRAFFIC TICKETS. Fines for violations of the ULM Traffic and Parking Regulations are to be paid at the La Capitol Federal Credit Union on Northeast Drive, University Commons II. For each citation not paid within ten calendar days after receiving the ticket (including Saturdays, Sundays, and holidays), a \$5 administrative fee will be charged. Fines for violations are listed in the current ULM Traffic and Parking Regulations. Copies of these regulations are available at the University Police Department.

STUDENT DEBT INFORMATION

Students indebted to the University will not be allowed to re-enter or receive an official transcript of scholastic work. A student may be dropped from University enrollment for non-payment of fees and/or other debts when due or when a check offered by the student in satisfaction of an obligation to the University is not honored by the bank on which it was drawn. The Controller's Office will notify the student of the delinquency by mail or email. The student is responsible for informing the Registrar of any change of address from that given at registration.

Service and delinquent payment charges will be levied as follows:

Returned check service charge	
per check returned	\$15.00
Short-term loan processing fee:	\$20.00

Delinquent student debts and federal student loans are assigned to the ULM Collections Department. However, if it becomes necessary to refer debts to an outside collection agency, a collection fee will be added and collected with the original debt.

REFUND POLICIES

TUITION AND FEES REFUNDS

A student who resigns from the University under the conditions listed below may receive a partial reduction of regular tuition, out-of-state tuition and student activity fees. The student must officially resign through the Registrar's Office no later than the fifteenth day of classes in a regular semester or the seventh day of classes in a summer session to be eligible for a reduction of fees.

1. A 100% refund will be made when a student completes resignation prior to the first day of classes as listed in the University calendar.
2. A 90% refund will be made when a student completes resignation during the period of the first through the eighth day of classes in a regular semester or first through fourth day of classes during a summer session.
3. A 50% refund will be made when a student completes resignation during the period of the ninth through the fifteenth day of classes in a regular semester or fifth through seventh day of classes during a summer session.

Students resigning with disciplinary action pending or those suspended for disciplinary reasons are not eligible for refunds.

Refunds will be applied to any existing indebtedness to the University prior to disbursement to a student.

RETURN OF TITLE IV FUNDS POLICY

Students that receive Title IV Financial Aid will be subject to the Return of Title IV Funds Policy if the student

withdraws before completing 60% of the semester in which the student was disbursed Title-IV Aid.

The Return of Title IV Funds calculates the student's percentage of earned aid by using the following formula:

$$\text{The pro-rata percentage of earned aid} = \frac{\text{number of calendar days attended}}{\text{number of calendar days in the enrollment period}}$$

The number of calendar days attended is calculated by counting from the first day of the semester to the student's official withdrawal date. The number of calendar days in the semester is calculated by counting from the first calendar day of the

semester/summer session to the last calendar day of the semester/summer session. Weekends and holidays (excluding Mardi Gras and Spring Break) are included in the number of calendar days.

Note: Those students who stop attending classes and do not officially resign from the University will also be subject to this policy. All professors involved will be contacted to verify the last date of class attendance.

REMEMBER: Students who have direct deposit will have funds available on the published date. All paper checks will be mailed.

EXPENSES

The University of Louisiana System Board of Supervisors may adjust tuition, fees and costs for dining plans and housing at any time without providing notice to students.

TUITION AND REQUIRED FEES - FALL AND SPRING SEMESTERS

Undergraduate Students

	Residents	Nonresidents		
	Tuition & Required Fees	Tuition & Required Fees	Nonresident Fee	Total
12 hours AND ABOVE	\$1,803.45	\$1,803.45	\$2,976.00	\$4,779.45
11 hours	\$1,677.20	\$1,677.20	\$2,728.00	\$4,405.20
10 hours	\$1,558.95	\$1,558.95	\$2,480.00	\$4,038.95
9 hours	\$1,440.70	\$1,440.70	\$2,232.00	\$3,672.70
8 hours	\$1,322.45	\$1,322.45	\$1,984.00	\$3,306.45
7 hours	\$1,204.20	\$1,204.20	\$1,736.00	\$2,940.20
6 hours	\$1,085.95	\$1,085.95	\$ -	\$1,085.95
5 hours	\$ 967.70	\$ 967.70	\$ -	\$ 967.70
4 hours	\$ 849.45	\$ 849.45	\$ -	\$ 849.45
3 hours	\$ 582.75	\$ 582.75	\$ -	\$ 582.75
2 hours	\$ 429.50	\$ 429.50	\$ -	\$ 429.50
1 hour	\$ 311.25	\$ 311.25	\$ -	\$ 311.25

Pharmacy Professional Doctorate Students - PHARM D

12 hours AND ABOVE Includes \$3500 Professional Fee	\$6,002.45	\$6,002.45	\$4,976.00	\$10,978.45
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Graduate Students

	Residents	Nonresidents		
	Tuition & Required Fees	Tuition & Required Fees	Nonresident Fee	Total
12 hours AND ABOVE	\$1,755.45	\$1,755.45	\$2,979.00	\$4,734.45
11 hours	\$1,730.20	\$1,730.20	\$2,979.00	\$4,709.20
10 hours	\$1,704.95	\$1,704.95	\$2,979.00	\$4,683.95
9 hours	\$1,732.70	\$1,732.70	\$2,979.00	\$4,711.70
8 hours	\$1,570.45	\$1,570.45	\$2,648.00	\$4,218.45
7 hours	\$1,421.20	\$1,421.20	\$2,317.00	\$3,738.20
6 hours	\$1,271.95	\$1,271.95	\$1,986.00	\$3,257.95
5 hours	\$1,122.70	\$1,122.70	\$1,655.00	\$2,777.70
4 hours	\$ 973.45	\$ 973.45	\$1,324.00	\$2,297.45
3 hours	\$ 675.75	\$ 675.75	\$ -	\$ 675.75
2 hours	\$ 491.50	\$ 491.50	\$ -	\$ 491.50
1 hour	\$ 342.25	\$ 342.25	\$ -	\$ 342.25

PROFESSIONAL PROGRAM FEES

Clinical Laboratory Science	\$250.00	Nursing Testing Fee	\$ 60.00	Radiologic Technology	\$250.00
Dental Hygiene	\$250.00	Occupational Therapy	\$ 250.00	Speech-Language Pathology	\$250.00
Marriage and Family Therapy	\$250.00	Pharmacy - PHARM D	\$3,500.00	Toxicology	\$250.00
Nursing	\$250.00	Pharmacy - Graduate	\$ 100.00		

TUITION AND REQUIRED FEES - SUMMER SESSIONS

Undergraduate Students

	Residents
	Tuition & Required Fees
12 hours AND ABOVE	\$1,555.41
11 hours	\$1,443.16
10 hours	\$1,324.91
9 hours	\$1,206.66
8 hours	\$1,088.41
7 hours	\$ 970.16
6 hours	\$ 851.91
5 hours	\$ 733.66
4 hours	\$ 615.41
3 hours	\$ 449.09
2 hours	\$ 330.84
1 hour	\$ 212.59

Nonresidents		
Tuition & Required Fees	Nonresident Fee	Total
\$1,555.41	\$2,976.00	\$4,531.41
\$1,443.16	\$2,728.00	\$4,171.16
\$1,324.91	\$2,480.00	\$3,804.91
\$1,206.66	\$2,232.00	\$3,438.66
\$1,088.41	\$1,984.00	\$3,072.41
\$ 970.16	\$1,736.00	\$2,706.16
\$ 851.91	\$ -	\$ 851.91
\$ 733.66	\$ -	\$ 733.66
\$ 615.41	\$ -	\$ 615.41
\$ 449.09	\$ -	\$ 449.09
\$ 330.84	\$ -	\$ 330.84
\$ 212.59	\$ -	\$ 212.59

Pharmacy Professional Doctorate Students - PHARM D

12 hours AND ABOVE Includes \$3500 Professional Fee	\$5,254.41	\$5,254.41	\$4,976.00	\$10,230.41
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Graduate Students

	Residents
	Tuition & Required Fees
12 hours AND ABOVE	\$1,560.41
11 hours	\$1,535.16
10 hours	\$1,509.91
9 hours	\$1,484.66
8 hours	\$1,336.41
7 hours	\$1,187.16
6 hours	\$1,037.91
5 hours	\$ 888.66
4 hours	\$ 739.41
3 hours	\$ 542.09
2 hours	\$ 392.84
1 hour	\$ 243.59

Nonresidents		
Tuition & Required Fees	Nonresident Fee	Total
\$1,560.41	\$2,979.00	\$4,539.41
\$1,535.16	\$2,979.00	\$4,514.16
\$1,509.91	\$2,979.00	\$4,488.91
\$1,484.66	\$2,979.00	\$4,463.66
\$1,336.41	\$2,648.00	\$3,984.41
\$1,187.16	\$2,317.00	\$3,504.16
\$1,037.91	\$1,986.00	\$3,023.91
\$ 888.66	\$1,655.00	\$2,543.66
\$ 739.41	\$1,324.00	\$2,063.41
\$ 542.09	\$ -	\$ 542.09
\$ 392.84	\$ -	\$ 392.84
\$ 243.59	\$ -	\$ 243.59

PROFESSIONAL PROGRAM FEES

Clinical Laboratory Science	\$125.00	Nursing Testing Fee	\$ 60.00	Radiologic Technology	\$125.00
Dental Hygiene	\$125.00	Occupational Therapy	\$ 125.00	Speech-Language Pathology	\$125.00
Marriage and Family Therapy	\$125.00	Pharmacy - PHARM D	\$3,500.00	Toxicology	\$125.00
Nursing	\$125.00	Pharmacy - Graduate	\$ 100.00		

The University of Louisiana System Board of Supervisors may adjust tuition, fees and costs for dining plans and housing at any time without providing notice to students.

UNIVERSITY REGULATIONS

STUDENT RESPONSIBILITY

Students are personally responsible for completing all requirements established for their degree by the University, college, and department. ULM course requirements are under continual examination and revision. The catalog represents the offerings and requirements in effect at the time of publication and in no way guarantees that they will not change. The University reserves the right to change requirements for any major during any particular year. The individual student assumes full responsibility to be informed and to comply with all academic requirements. A student's adviser may not assume these responsibilities and may not substitute, waive, or exempt any established requirement or academic standard for the student.

Also, it is necessary in the general administration of a university to establish broad policies and to lay down certain regulations and procedures by which they may be carried out. It is important that a student know and understand the current policies, standards, regulations, and procedures one is expected to follow. When changes are announced between catalog publications, they may be either published in the University newspaper or posted on bulletin boards. Students may also be notified of changes in university regulations or requirements by the respective department or division. Students are responsible for knowing these changes.

Students parents and legal guardians are expected to use reasonable care and promptness in reviewing University Policies. A lack of knowledge or understanding of any policy will not cause such policy to lose force nor effect.

The catalog is presented, merely, as a guide to enable prospective students and others to learn about the University of Louisiana at Monroe, and state policies, requirements, regulations, and procedures in such form as to direct the student to progress through school. Graduate students are expected to assume responsibility for becoming fully acquainted with and abiding by the regulations and requirements of the Graduate School.

CONFIDENTIALITY OF STUDENT RECORDS

Pursuant to the requirements of the 1974 Family Education Rights and Privacy Act (FERPA) - Public Law 93-380, certain types of information, designated by law as "directory information," may be released without the student's permission. A list of the types of directory information which can be released (e.g., name, address,

phone number) may be obtained in the Registrar's Office. Students who wish directory information to be withheld should complete a "Withholding of Directory Information" form in the Registrar's Office and on the Registrar's Office web page.

Requests to prevent either the releasing or publishing of directory information will be in effect indefinitely until written notification is received in the Registrar's Office. Students have the right to file complaints with the FERPA Office in Washington, D.C., concerning alleged failures by the University to comply with the Act.

Students who wish to allow their parents access to their records (academic, financial, billing, or any information related to their enrollment at ULM) may complete a "Privacy Waiver for Parental Access to Records" form in the Registrar's Office. If the student chooses at a later date to rescind parental access to records, he/she must complete a "Rescindment of FERPA Parental Privacy Waiver" document in the Registrar's Office. Either form requires that the student present a picture ID and sign the form in the presence of an authorized ULM official.

CREDIT FOR CORRESPONDENCE, EXTENSION, EXAMINATION AND MILITARY SERVICE

No more than one-third of the number of hours required for graduation may be given for credit by examination, for credit earned in the military service experiences, and for correspondence and extension courses taken through accredited extension divisions of other colleges and universities.

1. Correspondence and Independent Study Courses

Credit will be granted for correspondence and independent study courses satisfactorily completed through accredited extension divisions of other colleges and universities. A student who expects to use any correspondence or extension work toward meeting degree requirements must receive approval in writing from the academic dean prior to registration for such work. Students approved to take correspondence courses for credit at the University of Louisiana at Monroe must take their exams in the University of Louisiana at Monroe Testing Center no later than one month prior to graduation. The Testing Center is the only authorized test administrator at ULM for correspondence, independent study, or any course exam administered at ULM on behalf of other institutions, regardless of a student's enrollment status at ULM. All requests for such exams must be

coordinated through and approved by the ULM Testing Center. If the exam is not proctored by the University of Louisiana at Monroe Testing Center, the Registrar may choose not to accept the credit for placement on the ULM transcript and for fulfillment of the degree. Correspondence exam proctor information is available at testing.ulm.edu, or from the University of Louisiana at Monroe Testing Center (305 Filhiol Avenue, 318-342-5336.)

2. ACT/SAT

Credit will be granted for freshman English and Math courses based on scores from the American College Test (ACT) or the Scholastic Aptitude Test (SAT) as officially reported to the University of Louisiana at Monroe. Students must have official qualifying scores sent directly from the testing company to the University of Louisiana at Monroe to be eligible for credit. Score requests may be made on the respective testing company websites (www.actstudent.org or www.collegeboard.com). The ACT College Code is 1598 and the SAT College Code is 6482. The credit granting policy for courses based on ACT or SAT is available at testing.ulm.edu or from the Testing Center (305 Filhiol Avenue, 318-342-5336).

3. Advanced Placement Examinations

Credit will be granted for appropriate courses based on satisfactory scores on The College Board Advanced Placement Examinations (AP) administered each May in high schools which have accelerated programs. Students must have official AP scores sent directly from AP Services to the University of Louisiana at Monroe. The AP College Code is 6482. Information concerning AP testing is available at www.apcentral.collegeboard.com. The University of Louisiana at Monroe AP credit granting policy is available at testing.ulm.edu or from the Testing Center (305 Filhiol Avenue, 318-342-5336.)

4. College-Level Examination Program

Credit will be granted for appropriate courses based on satisfactory scores on College-Level Examination Program (CLEP) Subject Examinations that have been approved for credit at the University of Louisiana at Monroe. A CLEP Subject Examination should be taken in advance of the semester during which the credit is required. (CLEP General Examinations are not accepted for credit at The University of Louisiana at Monroe.) CLEP Examinations are administered throughout the year by the University of Louisiana at Monroe Testing Center. Students must have official CLEP scores sent directly from CLEP Services to the University of Louisiana at Monroe. The CLEP College Code is 6482. Military service veterans who took CLEP as part of the DANTES program must have CLEP subject scores reported directly to the University from DANTES. The University of Louisiana at Monroe CLEP credit granting policy, a list of CLEP

Subject Examinations, and registration forms are available at testing.ulm.edu, or from the University of Louisiana at Monroe Testing Center (305 Filhiol Avenue, 318-342-5336.) Information concerning CLEP tests, including study materials, is available at www.collegeboard.com/clep.

5. ULM Credit Examinations

These credit examinations will be given at ULM only under exceptional circumstances. Credit examinations are offered only for those courses which are required as part of a student's education program (i.e., core subject requirement or elective). Each credit examination must be approved in advance by the dean of the college in which the student is registered, the dean of the college in which the course concerned is given, and the instructor involved.

The following regulations will govern the giving of credit examinations:

- a. Permission for credit examinations will be given only in those instances in which the student has already gained a fundamental knowledge of the subject.
- b. Permission to take a credit examination will be granted only to persons who are students, or former students, of the University of Louisiana at Monroe in satisfactory academic standing. No instructor may give a credit examination until the necessary approvals have been obtained by the student on forms supplied by the Registrar.
- c. In no case will a student be permitted to take a credit examination in a course if that student has:
 - (1) audited or taken the course for non-credit,
 - (2) made an unsatisfactory grade previously in the course,
 - (3) received credit for a higher course in a series of sequential courses.
- d. Credit examinations must be taken within the first month of the semester or within the first two weeks of either summer term.
- e. Credit examinations are indicated as such on the student's record. Earned credit is recorded. Credits earned through credit examinations are not used in computation of the student's quality point ratio, but may be counted as resident credit for graduation purposes.

6. Credit for Military Service

Honorably-discharged veterans of the United States Armed Forces who are enrolled may be allowed credit for military science and certain courses in health and physical education upon presentation of the Report of Transfer or Discharge (DD214-long form) to the Registrar's Office. These forms should be submitted during the first semester of full-time enrollment.

Additional credit may be granted for service schools where equivalence in terms of college courses has been recommended for college credit at the upper baccalaureate level in the Guide to the Evaluation of

Educational Experiences in the Armed Services, published by the American Council on Education. Appropriate documents must be submitted to the Registrar's Office for an evaluation of these experiences.

7. English Department Diagnostic/Placement Essay

Students who demonstrate outstanding performance on the English Departmental Diagnostic/Placement Essay, as determined by a panel of 3 evaluators, may be exempted from English 090 (Developmental English) and/or may receive credit for English 101, subject to the approval of the department head of the student, the dean of the college of the student, the English Department head, and the Dean of the College of Arts and Sciences. Students who demonstrate clear and obvious unreadiness for English 101, as determined by a panel of 3 faculty evaluators, may be required to take or repeat English 090.

CREDIT HOUR SYSTEM AND COURSE NUMBERING

A credit or semester hour represents a minimum of one hour of class work or two or more hours of laboratory work a week, together with the necessary preparation for one semester of approximately fifteen weeks. The value of each course of instruction is stated in terms of semester hours.

Courses are normally numbered according to the following system: 000-099, developmental courses; 100 to 199, freshman; 200 to 299, sophomore; 300 to 399, junior; 400 to 499, senior; 500 to 599, graduate; 600 to 799, courses beyond the Master's level. Certain courses in the 400 level are accepted for graduate credit, where so indicated. Graduate status is required for graduate credit. This course numbering system does not apply to Professional Pharmacy (Pharm.D.) courses. See College of Pharmacy section.

COURSE LOAD

Undergraduate students are classified full time if they schedule 12 or more semester hours for credit (not including audits). However, during a regular semester, a schedule of fifteen to eighteen semester hours is considered a standard load. Academic deans, at their discretion, may allow the student to schedule more semester hours.

During the summer term, a schedule of six hours per session is considered a normal load; however, students are classified full-time if they schedule (for credit) four or more semester hours. Maximum load is seven semester hours in a summer session; developmental students may schedule eight semester hours if one five-hour developmental course is scheduled along with a three semester hour course.

The credit hour load for student teachers registered for six or more hours of student teaching is limited to fifteen semester hours except as approved by the Dean of the College of Education and Human Development.

The University does not guarantee that during a given enrollment period a student will be able to schedule every class which he or she might be required or wish to take.

NOTE: See the section on the Graduate School for regulations concerning course load for graduate students.

AUDITING COURSES

Students may be admitted to regular classes for audit by meeting admission requirements, receiving the approval of the instructor's academic dean, and by paying tuition for the class. An audit may not be changed to credit, or vice versa, after registration closes. Students auditing courses will not receive credit, nor will they be permitted to take a credit examination (departmental exams) on work audited. Credit hours for courses audited are figured in fee assessment, but not for certification of enrollment status (full-time/part-time). Any student using fee waiver cannot register for audit.

GRADING SYSTEM

Grades and the grading process are major components of a university's academic standards. An important professional obligation of a university professor is the determination of grades. Grades accomplish two essential purposes: (1) they communicate to the academic community and to the community at large a certified level of academic achievement, and (2) they provide realistic and reliable feedback for students to use in evaluating individual progress and making decisions about future behavior.

Prerequisites to effective grading are (1) appropriate scope, depth, and degree of difficulty for each course; (2) controls to ensure that students have proper academic qualifications for enrolling in each course; and (3) adequate measures of performance. Taking into account all students who would properly and typically enroll in a given course (not just those in one course), professors assign grades according to the following general guidelines:

- A—EXCELLENT—Performance approaches complete mastery of the course requirements.
- B—GOOD—Performance is above the level expected from most students, but does not approach complete mastery of the course requirements.
- C—AVERAGE—Performance is about the level expected from most students.
- D—BELOW AVERAGE—Performance is at or above the minimum level to pass, but does not allow for progression in some programs.
- F—FAILURE—Performance is below the minimum level to pass the course.

NOTE: See College of Health Sciences-School of Nursing for additional grades assigned to professional nursing students.

The grades "A" (Excellent), "B" (Good), "C" (Average), "D" (Below Average), "F" (Failure), "AU" (Audit does not imply class attendance), "W" (Withdrew), "I" (Incomplete), "IP" (In Progress), "CR" (Credit), and "NC" (No Credit) are given to indicate the quality of a student's work.

Each semester hour with the grade of "D" carries one quality point; each semester hour with the grade of "C", two quality points; each semester hour with the grade of "B", three quality points; and each semester hour with the grade of A, four quality points. Grades of "F" and "I" carry zero quality points and are used to determine the grade point average. Grades of "CR", "NC", and "IP" carry no quality points and are not used to determine the grade point average. Therefore, a "C" average is a 2.00 average. An "I" grade is computed as an "F" grade unless changed to a final passing grade. Also, + and - grade designations are not recognized.

Instructors are encouraged to abide by the University Calendar by offering courses within the established enrollment period dates. Instructors must discuss in advance with the Registrar the reasons for the award of "IP" grades. Valid reasons for considering the issuance of "IP" grades may be when an instructor anticipates that either the nature of a specific graduate or undergraduate course or the expectations of all students (not an individual student) cannot be completed within the established enrollment period dates. Letter grades must be awarded by an agreed upon deadline between the instructor and the Registrar in the event that "IP" grades are issued.

Students in developmental courses shall be eligible to earn grades of "A", "B", "C", "NC", "F", "W", or "I" in such courses. However, successful completion of a developmental course requires a grade of "A", "B", or "C"; students receiving any lower grade must repeat the course. A student who has excessive unexcused absences or who is guilty of cheating/plagiarism in a developmental course will receive an "F" for the semester grade. Those courses defined as developmental are English 090 and Mathematics 093.

Unsatisfactory work is indicated by the grade of "F" (failure). The grade of "F" cannot be removed by repeating the course. When a course is repeated, both grades will be counted in determining the grade-point average.

The graduation average is the corrected average figured on coursework earned toward the degree. When a student repeats a course, the last grade received shall be accepted as the final grade in determining graduation requirements. Students receive their diplomas based upon their individual graduation averages.

The cumulative average is based upon all hours pursued, including repeats, and is used in determining honors for graduation, as well as for admission to graduate and professional programs.

"I" GRADE CHANGES

Work which is of satisfactory quality but which, because of circumstances beyond the student's control, is not complete, may be marked "I" (incomplete). The deficiency must be met within the first month of the next regular semester or within the first two weeks of either

summer session of attendance (whichever comes first). "I" grades are removed only by completion of the course work, not by repeating the course. "I" grades are computed as "F" grades, unless changed to a final passing grade. If the student does not resume studies either at this University or elsewhere within a calendar year following the semester or summer session for which the "I" grade was recorded, the "I" grade cannot be removed. Instructors should not allow students to complete work for a course in an attempt to remove an "I" grade without prior approval of the instructor's academic dean.

GRADE CHANGES (Other than "I")

Grades (other than "I" grades) that have been submitted to the Registrar's Office can be changed only by a change of grade form or letter of explanation certifying that an error has been made by the instructor. This form or certification of error will not be valid unless approved by the instructor's academic dean. A request for a final grade change must be initiated by the instructor within 30 days after the end of the semester or term following the academic term in which the questioned grade was earned.

PROCEDURE FOR APPEALING A GRADE

Only the individual student who has a question related to grading or other matters of an academic nature may direct them to the student's instructor; failing satisfactory resolution at this level, the questions should be referred, in order, to the faculty member, department head/chair, academic dean, the Vice President for Academic Affairs, and the Academic Appeals Committee.

To appeal grades, students must initiate an appeal within fourteen calendar days of the beginning of the next semester or summer term following the academic term in which the questioned grade was assigned. Specific procedures must be followed in appealing to all administrative levels. These procedures are described in the Student Policy Manual.

A copy of the Student Policy Manual is on file in the office of each academic department, academic dean's offices, the Vice President for Academic Affairs, and the Office of Student Life, and on-line at <http://www.ulm.edu/student-policy>.

GRADE REPORTS

End-of-the-semester grades are generally available after the end of the fourth working day of each enrollment period. Students should visit the ARROW website (arrow.ulm.edu) to view grade results.

ADDRESS CHANGE

A student must provide a local and permanent address at the time of admission to the University. Local and permanent address changes must be updated on the

ARROW website or reported to the Registrar's Office on the appropriate form. A student is responsible for the consequences of all communications sent to the address on file in the Registrar's Office (e.g., classes dropped for non-payment of tuition, probation/suspension status on grade report or transcript).

NAME CHANGE

A student who wishes to change a name because of either divorce or marriage must present the original marriage license or divorce decree indicating the desired name, along with a change of name form to the Registrar's Office. If a divorce decree or court order is used as documentation for a name change, the name can be changed only as specified in the official document. Other name or characteristic changes are made upon the presentation of a court order.

PRESIDENT'S/DEAN'S LIST

The President's List for undergraduate students pursuing a bachelor's degree is released at the end of each semester. To qualify for this list, undergraduate students must be full-time and must earn a 3.9 or higher grade-point average. To qualify for a respective Dean's List, undergraduate students pursuing a bachelor's degree must be full-time and must earn a 3.5-3.89 grade-point average.

CLASSIFICATION

Classification of students, based upon the number of credits earned, is made in the Registrar's Office at the end of each enrollment period and is revised as necessary.

The rules governing the classification of students are as follows:

1. FRESHMAN—Having fewer than 30 semester hours of credit.
2. SOPHOMORE—Having at least 30, but less than 60 semester hours of credit.
3. JUNIOR—Having at least 60, but less than 90 semester hours of credit.
4. SENIOR—Having at least 90 semester hours of credit.

CLASS ATTENDANCE REGULATIONS/EXCUSED ABSENCES

Students:

1. Class attendance is regarded as an obligation and a privilege, and all students are expected to attend regularly and punctually all classes in which they are enrolled. Failure to do so may jeopardize students' scholastic standing and may lead to suspension from the University.

2. Any student who is not present for at least 75% of the scheduled class sessions in any course may receive a grade of "W" if this condition occurs prior to the last day to drop a course or a grade of "F" after that date.
3. Any University-related activity requiring an absence from class will count as an absence when determining if a student has attended 75% of class meetings.
4. Student are responsible for the effect absences have on all forms of evaluating course performance. Thus, the student is responsible for arranging the allowed make up of any missed work.

Faculty:

1. Instructors shall keep a permanent attendance record for each class. These records are subject to inspection by appropriate University officials and should be available at all times.
2. Attendance of class meetings may not constitute more than 10% of the course grade unless justified by the instructor and approved by the department head and dean.
3. Faculty members are required to state in writing and explain to students their expectations in regard to class attendance during the first class meeting or by the last day to add (third official day of classes).
4. Faculty members are expected to work with students to allow for completion of classwork and assignments if the student's absence results from his/her required participation in a University-sponsored activity provided that, prior to the absence, the student makes arrangement to complete all missed work.
5. Students are usually allowed to make up work and/or tests missed because of serious illness, accident, or death in the family. Staff members in the Division of Student Life and Leadership will make every effort to inform the faculty member concerning class absences on behalf of the student in these instances.

COMPLETION OF DEVELOPMENTAL COURSE REQUIREMENTS

A student whose ACT/SAT score places them in developmental English or math must successfully complete the course or courses within the first three semesters of enrollment at the University of Louisiana at Monroe to be eligible to maintain continued enrollment. A maximum of three attempts (including drop "W" attempts) will be allowed for the required course. Students who fail to meet this requirement during this time limit must successfully complete the developmental course at another university or community college before being eligible to return to ULM.

COLLEGE PREPARATORY CURRICULUM

The University of Louisiana System Board of Supervisors has endorsed the Board of Regents' Task Force Report on Academic Preparation of the College Bound Student and its College Preparatory Curriculum.

LOUISIANA BOARD OF REGENTS STATEWIDE GENERAL EDUCATION REQUIREMENTS

- CTS - Certificate of Technical Studies
- AA - Associate of Arts BA - Bachelor of Arts
- CAS - Certificate of Applied Science
- AS - Associate of Science BS - Bachelor of Science
- TDIP - Technical Diploma
- A - Associate B - Bachelor
- (non-designated) (non-designated)
- AAS - Associate of Applied Science
- BAS - Bachelor of Applied Science

	CTS	CAS	TDIP	AAS	AA	AS	A	BAS	BA	BS	B
ENGLISH (Composition)	0	3	0	3	6	6	6	6	6	6	6
MATH	0	3	0	3	3	6	3	6	6	6	6
NATURAL SCIENCES	0	0	0	3	6	6	6	9	9	9	9
HUMANITIES	0	0-3	0	3	3	3	3	3	9	9	9
FINE ARTS	0	0-3	0	0	3	3	3	3	3	3	3
SOCIAL/ BEHAVIORAL SCIENCES	0	0-3	0	3	6	3	6	6	6	6	6
COMPUTER & INFORMATIONAL LITERACY	-	-	-	-	-	-	-	-	-	-	-
INTERNATIONAL EDUCATION	-	-	-	-	-	-	-	-	-	-	-
Total	0	9	0	15	27	27	27	33	39	39	39

English-CAS and AAS degrees shall require the successful completion of at least three hours of English composition. AA, AS, A (non-designated), BAS, BA, BS, and B (non-designated) degrees shall require the successful completion of at least six hours of English composition.

Mathematics-CAS, AAS, AA and A (non-designated) degrees shall require the successful completion of at least three hours of Mathematics, beginning at a level no lower than college algebra. BAS degrees shall require the successful completion of at least three hours of Mathematics, beginning at a level no lower than college algebra, plus an additional three hours of either Mathematics above college algebra, Statistics, Computer Science, or Logic (a pre-requisite for enrollment in any of these courses shall be the successful completion of the required college algebra course). AS, BA, BS, and B (non-designated) degrees shall require the successful completion of at least six hours of Mathematics at a level no lower than college algebra.

Natural Sciences-Biological (e.g., Biology, Biochemistry, Botany, Zoology) and **Physical Sciences** (e.g., Chemistry, Geology, Physics, Astronomy/Meteorology). AAS degrees shall require the successful completion of at least three hours of any biological or physical science. AA, AS, and A (non-designated) shall require the successful completion of at least six hours of natural science in any biological or physical science. BAS, BA, BS, and B (non-designated) degrees shall require the successful completion of at least nine hours of natural science, as follows: six hours shall be earned in a single biological or physical science; the remaining three hours must be earned in a natural science area other than that previously selected (both biological/physical sciences must be taken to fulfill this requirement).

Humanities-(e.g., Literature, Foreign Languages, History, Communications, Philosophy, Classical Studies, Religious Studies, Interdisciplinary). The CAS degree shall require the successful completion of three hours of either Humanities, Fine Arts, or Social/Behavioral Sciences. The AAS, AA, AS, A (non-designated) and BAS degrees shall require the successful completion of at least three hours of Humanities. The BA, BS, and B (non-designated) degrees shall require the successful completion of at least nine hours of Humanities.

Fine Arts-(e.g., Music, Visual Arts, Applied Arts, Theatre, Dance, Interdisciplinary). The CAS degree shall require the successful completion of three hours of either Humanities, Fine Arts, or Social/Behavioral Sciences. The AA, AS, A (non-designated), BAS, BA, BS, and B (non-designated) degrees shall require the successful completion of at least three hours of Fine Arts.

Social/Behavioral Sciences. Social-(e.g., Economics, Geography, Anthropology, Political Science, International Studies, Interdisciplinary) and Behavioral (e.g., Psychology, Sociology) Sciences. The CAS degree shall require the successful completion of three hours of either Humanities, Fine Arts, or Social/Behavioral Sciences. The AAS and AS degree shall require the successful completion of at least three hours of Social/Behavioral Sciences. The AA, A (non-designated), BAS, BA, BS, and B (non-designated) shall require the successful completion of at least six hours of Social/Behavioral Sciences; three of these hours must be at the sophomore level or above.

Computer and Informational Literacy - Colleges/universities shall insure that each degree student has achieved basic computer and informational literacy before graduation. The method for determining whether this standard has been met shall be left to the discretion of the affected institution.

International Education - Colleges/universities shall ensure that each degree student has been exposed to international education (awareness, learning, scholarship, and/or engagement) before graduation. The method for determining whether this standard has been met shall be left to the discretion of the affected institution. Suggested ways to fulfill this standard include: (1) international education elements within existing general education

courses; (2) foreign language study across the curriculum; (3) a specific international education course as part of existing general education requirements (most likely a Social/Behavioral Studies, Humanities, or Fine Arts required course); (4) a required international dimensions course specific to each discipline major; and/or (5) the use of information technologies to integrate students from foreign universities into ongoing classroom activities.

MAJOR FIELD ASSESSMENT

Students may be required to complete an assessment in their major field during their senior year as a requirement for graduation.

ADDING AND DROPPING COURSES

Students will not be admitted to any class unless the instructor has received a roster or notice indicating proper registration from the Registrar.

Students will not be permitted to add or drop courses after published add and drop date without their dean's approval.

Students may not enroll in more than one section of the same course unless specified in the University catalog.

Class prerequisites must be completed as prescribed by the most current catalog, regardless of the catalog or curriculum in effect for any student.

Adding and dropping classes are functions which must be completed via arrow (arrow.ulm.edu), unless prerequisite issues require a signature by an academic unit. In these cases, a student is required to process an add/drop form and turn it in to the Registrar's Office. A grade of "F" will be assigned to a student who does not drop the course from his/her schedule. A student may drop any subject with a notation of "W" (withdrawn from class) within the time limit specified in the University Calendar. Withdrawals during that period carry no academic penalties.

COURSE DROP AND RESIGNATION POLICY

After enrolling in classes, (in most cases on the web), a student who wishes to resign from the University must (a) drop to "0" hours on-line on the dates and times specified in the Registration Schedule Calendar or (b) notify the Registrar's Office in writing [by letter or fax] of his/her wish to resign.

Students may drop courses or resign (when class load drops to zero hours) from the institution with grades of "W" prior to a date specified in the official University Calendar. That date is generally three weeks after mid-semester in a regular semester and the equivalent period in a summer session. (Actual drop/resign dates are published in each calendar for the respective schedule of classes.) After that specified date, students may not drop

a course or resign. Drop dates for short courses will vary depending on the length of the course; these dates are published in the current issue of the Schedule of Classes. Students who have extraordinary cases with extenuating circumstances may submit to their academic dean a letter of appeal, along with documentation to substantiate the case. Extraordinary cases do not include dissatisfaction with an anticipated grade or the decision to change a major. Approval of an appeal for dropping a course or resigning after the published date may be granted by the student's dean for reasons stated below and only if the reason can be officially documented to show direct due cause. If approval to drop a course is granted, the student must also have been passing the course immediately prior to the hardship, and must have applied for the approval immediately after the hardship or illness ended. The grade assigned shall be a "W." If the dean allows the student to resign, a "W" grade shall be assigned in all courses. If the appeal is approved, the dean will notify the instructor and the Registrar. Examples of appealable cases are as follows:

1. Illness/Injury—The student must provide a letter on official stationery from the attending physician stating that the illness or injury will render the student unable to complete the course, or will cause the student to miss a significant number of days so as to make it difficult to complete the course. A hospital bill may also be used.
2. Death of an immediate family member which caused undue hardship and renders the student incapable of completing the course—The student must provide a copy of the death certificate, obituary stating relationship to the deceased, or letter from the attending clergy.
3. Natural disaster or exceptional traumatic event (documentation will be required)—The student must provide a written explanation of extenuating circumstances providing this event causes the student undue hardships.
4. National Defense—The student must provide a copy of official military orders.

Grades of "F" will be assigned to students who do not complete the enrollment period and who have not officially dropped their courses or resigned.

An appeal for a change in official academic records must be made no later than 30 days after the end of the semester or term in which the alleged error in academic records occurred.

CHANGES OF CURRICULA/CATALOG

After their first registration, students will not be permitted to change curricula except on the advice and consent of the academic deans of both colleges concerned. A Change of Curriculum Request form must be used, and the proposed change is not official until the required approvals have been obtained and the slip has been filed in the Registrar's Office. When students change their major after the last date for adding courses in a

semester or summer session, the change does not become effective until the next period of enrollment. If a new catalog is in effect when the change becomes official, the student will be subject to regulations of the new catalog.

Students who interrupt their college work for two or more calendar years, students who change their curriculum, or students who enroll in programs requiring a new application will graduate according to the requirements of the catalog in effect at the time of their re-entry or curriculum change. It should be noted, however, that class prerequisites must be completed as prescribed by the most current catalog, regardless of the catalog or curriculum in effect for any student. Students must change catalogs if they change their major, apply for admission or readmission, or gain admission to a professional program (except for teacher education majors).

ACADEMIC STATUS: GOOD STANDING, PROBATION, AND SUSPENSION

The undergraduate probation and suspension regulations listed below were adopted by the University of Louisiana System Board of Supervisors, effective at ULM with the Fall 1995 Semester. Administered by the Council of Academic Deans, these probation and suspension regulations are minimum standards which apply to all students except those enrolled in the professional programs of Nursing and Pharmacy. Refer to the catalog sections of the College of Health Sciences and College of Pharmacy for respective probation and suspension regulations.

ACADEMIC GOOD STANDING. Students who are enrolled or eligible to be enrolled are considered to be in good academic standing.

ACADEMIC PROBATION. Undergraduate students will be placed on academic probation whenever their cumulative grade point average (GPA) is ten or more quality points below a 2.0. This condition exists when the cumulative quality points (QPTS) is less than twice the quality hours pursued (QHRS) minus 9. Thus, if $QPTS < (2 \times QHRS) - 9$, the student is on probation. Quality points are determined by multiplying the numeric course grade (A=4, B=3, C=2, D=1, F or I=0) by the course's credit hours (e.g., an A in a 3-cr. course produces $4 \times 3 = 12$ quality points). Cumulative quality points is the student's total quality points. Quality hours pursued is the sum of the credit hours for all courses in which a grade of A, B, C, D, F, or I is received. Both QPTS and QHRS are printed on student's transcript and semester final grade report (available only through Arrow). Example: Consider a student whose QPTS is 68 and QHRS is 40. For this student, $(2 \times QHRS) - 9 - (2 \times 40) = 80 - 9 = 71$. Since the student's QPTS is 68, a value less than 71, the student would be placed on probation.

1. Once on academic probation, a student will remain on probation (as long as each semester or summer session GPA is at least 2.0) until a

cumulative GPA of 2.0 or higher is achieved. Individual institutions are encouraged to provide academic advising and/or intervention for these students.

2. Once a cumulative GPA of 2.0 or higher is achieved, a student will be placed in academic good standing.
3. Transfer students may be admitted on probation pending the receipt of official transcripts (credentials) to determine academic status.

ACADEMIC SUSPENSION. Undergraduate students on academic probation will be suspended from the institution at the conclusion of any semester or summer session in which they fail to earn a GPA of at least 2.0. First-time freshmen will not be suspended prior to the completion of two terms of enrollment.

1. Students suspended for the first time at the end of the spring semester may attend summer school without appeal. If these students raise their cumulative GPA to 2.0 or higher, they are placed in academic good standing and their suspension periods are lifted. They may then attend the fall semester without appeal. If they do not raise their cumulative GPA to 2.0 or higher in the summer session, the suspension for the fall semester is in effect. In this case, only one suspension is counted against the student.
2. Students suspended for second or subsequent suspension at the end of the spring semester may also attend summer school. To be readmitted to any semester other than the summer session, they must appeal.
3. Universities in the System shall have one semester suspension, except for second or subsequent suspensions that shall be for one calendar year.
4. An undergraduate student suspended from a System university may not enroll in another university within the System, but may enroll in a community college with approval of both the suspending institution and the community college. Credits earned under these conditions may be accepted for a degree at the suspending institution provided grades of "C" or higher are earned in each of the courses to be transferred.

APPEAL OF ACADEMIC SUSPENSION. Students suspended for scholastic deficiency at the University of Louisiana at Monroe may appeal through their academic dean for immediate reinstatement. The appeal from academic suspension consists of a letter of appeal written by the student to the academic dean explaining any extenuating circumstances responsible for poor academic performance. Complete validating documentation to support the circumstances and to demonstrate that circumstances are now such that the student could reasonably be expected to do satisfactory academic work, if reinstated, should be submitted with the letter of appeal. Gaining readmission in this manner permits students to

continue in the University, but it does not erase the "Academic Suspension" entered on their record.

Transfer students who have been suspended from other systems may appeal to enroll at System institutions during the academic suspension period only if they have a 2.0 cumulative average. Appeals may be granted or denied.

DEVELOPMENTAL DISMISSAL. A student whose ACT/SAT score places them in developmental English or math must successfully complete the course or courses within the first three semesters of enrollment at the University of Louisiana at Monroe to be eligible to maintain continued enrollment. A maximum of three attempts (including drop "W" attempts) will be allowed for the required course. Students who fail to meet this requirement during this time limit must successfully complete the developmental course at another university or community college before being eligible to return to ULM.

ACADEMIC RENEWAL

Academic renewal provides the opportunity for a fresh start for those students who have had academic difficulties in the past but are ready to commit themselves to scholastic success. Students who wish to apply for academic renewal, also called academic clemency, academic forgiveness, or academic bankruptcy, must meet certain criteria and follow the established application procedures. One of the essential criteria for qualifying for academic renewal is that at least three calendar years must have gone by since the end of the semester in which the student was registered for credit at any college or university and the beginning of enrollment under academic renewal. A student may apply for academic renewal at any time during his/her enrollment in the University as long as this minimum period has lapsed. A student can receive academic renewal only once in his/her undergraduate career, regardless of the number of institutions attended. The graduate level does not offer or recognize academic renewal. Also, the awarding of academic renewal does not affect a student's financial aid history; therefore, students should speak with the ULM Financial Aid Office prior to appeal for academic renewal.

If a student is eligible, he/she may begin the academic renewal process by submitting a written petition to the dean of his/her college. In the petition the student will explain the changes that he/she has made that will give the University reason to believe that the student will experience academic success and will perform satisfactorily in the succeeding semesters. A transfer student who has previously been granted academic renewal elsewhere may apply for consideration of transfer of academic renewal to ULM. He/she should use the application procedure described above. If academic renewal is granted, the dean will notify the student and the Registrar, and the Registrar will implement the necessary transcript and records changes.

After a student has been granted academic renewal, the date that the renewal was approved will be noted on his/her transcript, and the transcript also will note that all of the student's previously-earned hours and quality points will neither be used to compute his/her GPA nor will they be applied toward his/her program of study. The student's prior academic history will be included in and will remain a part of his/her overall academic transcript and record. The status of a student who receives academic renewal will be based upon the subsequent credits that he/she earns, and the student will follow the guidelines of the appropriate catalog(s).

Other institutions have their own policies and may or may not accept academic renewal as granted at this institution. In addition, when considering applications for admission, many undergraduate professional curricula, graduate schools, and professional schools choose to compute the undergraduate grade point average over all of the hours attempted.

REQUIREMENTS FOR DEGREES

Candidates for the associate and bachelor's degrees must accomplish the following:

1. Apply for graduation with their academic dean at the time of registration in the last semester or summer session in which candidates complete degree requirements. If all course work has been completed, students must register in absentia.
2. Complete all of the coursework in one of the curricula as outlined in the issue of the University of Louisiana at Monroe Undergraduate Catalog for the student's catalog year. Students are responsible for knowing degree requirements. Students are normally guided by the Catalog in effect at the time of their first enrollment at this University. However, where feasible and academically sound, students may elect any issue of the ULM catalog in force during their residence at this or any other accredited collegiate institution of higher learning, provided this residence is continuous in the same major. Students who interrupt their college work for two or more calendar years, students who change their curriculum, or students who enroll in programs requiring a new application will graduate according to the requirements of the catalog in effect at the time of their re-entry or curriculum change, unless they have departmental approval to choose an updated curriculum for graduation requirements (see *Curricula/Catalog Changes*). Students must receive academic dean's approval for course substitutions used to satisfy degree requirements.
3. Complete at least 25% of the semester credit hours required for the degree through instruction offered by the University of Louisiana at Monroe. One-third of the credit hours required in the major

and minor must be included in the 25% degree requirement.

4. Have an overall average of "C" (2.0) in all work to be credited toward the degree for which they are applying, including a "C" average in the major field and a "C" average in the minor field (if any) and a minimum grade of "C" in English 101, 102, and the first non-developmental mathematics course required in the major field.
5. Be present for commencement unless prior approval is granted by their academic dean.
6. Pay in full all accounts with the University prior to commencement.
7. Refer to individual college and/or program sections regarding additional course, grade and grade point average, and residence requirements specific to the degree to be earned. Refer to the current *Graduate Catalog* for graduate degree information and requirements.
8. Be enrolled in the curriculum in which the degree is to be conferred. A student's diploma reflects the degree designation as specified by the Board of Regents.

GRADUATION AVERAGE

The graduation average is the corrected average figured on coursework earned toward the degree. When a student repeats a course, the last grade received shall be accepted as the final grade in determining graduation requirements. Students receive their diplomas based upon their individual graduation averages.

DEGREES WITH HONORS

Baccalaureate and Doctor of Pharmacy degrees are awarded cum laude to students whose cumulative grade point average falls within the range of 3.500 through 3.749, magna cum laude to students whose cumulative grade point average falls within the range of 3.750 through 3.899; and summa cum laude to students whose cumulative grade point average falls within the range of 3.900 through 4.00.

The cumulative average is the uncorrected average figured on all courses attempted, which includes ULM, transfer, and repeated courses. An "A" grade equivalent must be determined for credit (CR) grades awarded to a student for international transfer coursework in order for the student to receive highest honor-graduate recognition. Only students receiving a baccalaureate or Doctor of Pharmacy degree are eligible to be recognized for honors.

REQUIREMENTS FOR SUBSEQUENT OR SIMULTANEOUS DEGREE

Students may earn subsequent degrees in a different major provided all requirements are met for the additional degree. The additional degree may be awarded

simultaneously with another degree or at a later commencement. Students should consult the Registrar for procedures and requirements. No more than 50 percent of the major coursework applied toward one degree may be shared among other degrees awarded at ULM. The following additional requirements apply:

1. Students must earn a minimum of 30 hours at ULM excluding repeated courses, in addition to the total required for the first degree (15 additional hours for an associate).
2. An associate in General Studies may not be awarded simultaneously with or subsequent to other degrees. A Bachelor's of General Studies may be awarded only once, regardless of the various major concentrations. A simultaneous degree in General Studies may be earned only if the Major Thematic Concentration Group does not include the academic area in which the student is presently pursuing a degree.
3. An associate degree may not be awarded with or after an upper-level degree in the same major. Degrees may be earned in different areas, such as an A.A. in Criminal Justice and a B.A. in English, or an M.Ed. in Counseling and an A.A. in Criminal Justice. An Associate in General Studies may not be awarded once the Bachelor's degree or higher is earned.
4. A second degree may not be awarded in General Business if the first degree is in any other field in business.

REQUIREMENTS FOR THE SECOND MAJOR

Students may fulfill all requirements for a second major by earning credits in the courses of the second major field which are required according to the course outline. Supporting courses will not be required. Work for the second major must be of the same quality as that required for the first. A student's diploma reflects only the degree designation as specified by the Board of Regents.

REQUIREMENTS FOR A MINOR

Requirements for a minor for those students pursuing bachelor degrees may be found under 'Requirements for a Minor' in the Courses of Instruction section in this catalog. Students pursuing associate degrees cannot earn a minor. Minor subject areas are not posted on a transcript subsequent to the completion of a bachelor's degree.

HOUSING AND LIVING ACCOMMODATIONS

Campus housing is under the supervision of the Director of Residential Life. First-time freshmen and new

transfer students will receive a Housing Application following their acceptance to the University. Continuing students should apply for housing at the Residential Life Office in University Commons II.

Students residing in university housing must abide by all university policies and procedures, the Student Code of Conduct as outlined in the Student Policy Manual and the Guide to Residence Hall Living.

OFF-CAMPUS EXEMPTION REQUEST

The following policy, approved by the University of Louisiana System Board of Supervisors, governs student residence on the campus: "ALL UNMARRIED FULL-TIME UNDERGRADUATE STUDENTS, UNDER TWENTY-ONE YEARS OF AGE ARE REQUIRED TO LIVE IN ON-CAMPUS RESIDENCE HALLS AS LONG AS SPACE IS AVAILABLE."

In order to be fair and consistent in considering exemptions from the on-campus residency requirement, students who believe they meet the criteria for an allowable exemption should first contact the Office of Auxiliary Enterprises for correct information concerning appropriate procedure and documentation. Students seeking exemption from the requirement must complete and submit an Off-Campus Housing Request application packet obtained in the Office of Auxiliary Enterprises. This request must be made THIRTY (30) DAYS prior to the first day of registration for the semester of the exemption. Approval to live off campus must be granted from the Office of Auxiliary Enterprises BEFORE the student makes any binding arrangements to live off campus. STUDENTS VIOLATING THE HOUSING POLICY WILL BE REQUIRED TO MOVE INTO THE RESIDENCE HALL SYSTEM AND PAY FULL ROOM AND MEAL CHARGES FOR THE PERIOD IN WHICH THE VIOLATION OCCURRED. The allowable exemptions are:

1. Students living with their parents within a 50-mile radius of Monroe are automatically approved to commute. To qualify for this automatic exemption, you must have graduated from high school in one of the following parishes: Bienville, Caldwell, Catahoula, Claiborne, East Carroll, Franklin, Jackson, LaSalle, Lincoln, Madison, Morehouse, Ouachita, Richland, Tensas, Union, West Carroll, or Winn.
2. If you live with a married brother, sister or grandparent in permanent housing (not apartment). ONLY these relatives are allowable and the student must submit notarized letters of permission from both the relative and the parents.
3. If you are classified as a veteran with at least twenty-four (24) months active duty. A Form DD-214 must be submitted.
4. If you live in property owned by you or your immediate family. A copy of the deed, bill of sale, or title must be submitted along with a utility receipt.

5. If you have a severe medical problem, a ULM MEDICAL RECORDS RELEASE FORM must be completed in the Office of Auxiliary Enterprises. Allergies are not generally considered to be a severe medical condition.
6. If you are TWENTY-ONE (21) years of age or older.
7. If you are a part-time student. A statement must be signed in the Office of Auxiliary Enterprises.
8. If you are a graduate student.

Students who have been denied an exemption for off-campus living by the Office of Auxiliary Enterprises may appeal in writing to the Housing Appeals Committee. Please note that decisions rendered by the Housing Appeals Committee will be final.

AVAILABLE HOUSING

Halls for females only include Ouachita, Masur South and the second and third floors of Masur North. Halls for males only include Madison Hall and the first floor of Masur North. The apartments, University Commons I, University Commons II and Bayou Suites are Co-Ed within the buildings but they are same sex within a suite or apartment or by floor.

Madison Hall, Ouachita Hall, the suites and the apartments all have individually controlled heating and air conditioning units. All campus housing has high speed data connections, cable TV with HBO and local telephone service.

All students residing in housing must maintain at least a 2.0 cumulative GPA. Additionally, students residing in the Bayou Village Apartments must maintain a minimum 2.3 GPA and have earned at least 24 credit hours.

Each apartment is fully furnished; they include a washer and dryer, as well as a kitchen equipped with a stove, refrigerator, microwave and dishwasher.

Private rooms are available in some residence halls at an additional cost when space is available. All students living on campus are required to contract for on-campus meals. Both room and meal contracts are executed on an academic year basis.

All dining facilities on campus are closed when classes are not in session. Resident students unable to obtain accommodations off campus during the break between the fall and spring semester should contact the Director of Residential Life for any specific arrangements that might be provided during these times by the University. These arrangements, if provided, will be for an additional fee.

Students residing on campus are expected to furnish bed linens, mattress pads, blankets, pillows, towels, other personal articles and a telephone. A standard phone jack is provided and local telephone service is provided at no additional cost. Microwaves and refrigerators (4.3 cu. ft. or smaller) are optional items allowed.

The University reserves the right to (1) deny the resident request of any prospective students, change the residence hall or room assignment, or cancel residence accommodations of any student; (2) enter and inspect any student's room at any time when cause prevails; and (3) require immediate payment for damages to furnishings and/or physical structure.

RESIDENCE HALL ROOM RESERVATIONS

A \$25 non-refundable application fee and a \$100 room reservation fee must accompany each housing application. A student entering the Residential Life system and properly maintaining occupancy for continued semesters would only pay the application fee once. The room reservation fee must be paid each year prior to an assignment being made.

Any student not returning to the residence hall system by a designated deadline, may be required to fill out a new housing application and they must also submit a \$25 application fee as well as the \$100 room reservation fee prior to an assignment being made.

A student moving into a fraternity house must receive approval from the Director of Auxiliary Enterprises. Students removed from the fraternity or fraternity house must return to the resident hall system unless the student meets the off-campus requirements.

UNIVERSITY HEALTH SERVICE

STUDENT HEALTH SERVICES POLICY

Student Health Services

It is well known that college students have special health needs. ULM Student Health Services recognizes these needs and stands ready to provide information and confidential treatment for these problems, as well as general medical services for all students. Student Health Services is also available to address any of your immunization compliance questions and needs.

Student Health Services is located in the Student Health and Counseling Center at the corner of University and LaSalle Streets and is staffed by Board Certified Family Nurse Practitioners. Clerical personnel are available to handle your billing and referral needs. An immunization specialist is also available to answer your immunization compliance questions. Call (318) 342-5238 for your immunization questions.

General Information

Student Health Services functions on a walk-in basis. Students are encouraged to visit the clinic during non-class time. Appointments are required for women's health wellness visits. You may be provided a follow-up appointment at the discretion of your nurse practitioner.

Students failing to cancel a scheduled appointment will be assessed a no-show fee.

Student I.D. cards are required for service. No excuses will be provided for missed classes. Call (318) 342-1651 to schedule an appointment.

Current Services

Board certified nurse practitioners can provide many types of services and treatments for students such as:

- Screening and treatment of sexually transmitted diseases
- Immunizations
- Allergy injections
- Non-narcotic prescriptions and over the counter medications
- Women's health
- Mental health
- Minor surgical procedures
- Family health sickness or wellness visits
- Complete laboratory services
- Physical exams
- Nutritional Counseling
- Smoking Cessation

Hours of Operation

Student Health Services is open Monday through Thursday from 7:30 a.m. to 5:00 p.m. and on Friday from 7:30 a.m. to 11:30 a.m. In the event of an emergency students should dial 1-911 on campus and 911 off campus. During non-operational hours, students should seek medical treatment with their personal physician or at any of the local emergency rooms or walk-in clinics.

Student Fees

Most medical services will be covered by your university assessed student health fee. Additional fees may be incurred for some procedures deemed necessary by your practitioner. Questions about fees owed and instructions for filing your medical claims are available. A fee schedule is posted in Student Health Services for your viewing. Fees incurred are the responsibility of the student. Students are expected to pay when services are rendered. Failure to pay student health fees within 30 days will result in suspension of your student health service privileges until your account is in good standing. Failure to pay fees within 60 days will result in flagging of your student account. Flagging of your account will carry the same consequences as other University debt flags. Call (318) 342-1651 for additional information.

Immunization

New students seeking enrollment at ULM should receive a Proof of Immunization Compliance Form from the Admissions Office, Student Health Services, or on-line at www.ulm.edu/shs. Directions for completing the form

should be read to ensure adequate documentation. Return the completed form to Student Health Services, Immunization Program, 1140 University Ave., Monroe, LA 71209. The form must be returned to Student Health Services for the student to complete registration. Forms may be faxed to (318) 342-5239.

Student Injury and Sickness Insurance

Enrolled domestic students have available to them a plan of group student injury and sickness insurance. This plan is **MANDATORY FOR ALL INTERNATIONAL STUDENTS** enrolled at the University. In the fall semester, applications and policy information are mailed directly to the student from the insurance company following the close of registration. In the spring and summer semesters, enrolled students may obtain the application and policy information from the Student Services Department located in the Student Center, Room 239. **ALL QUESTIONS CONCERNING THE INSURANCE COVERAGE MUST BE ANSWERED BY THE INSURANCE COMPANY BY TELEPHONING THEIR TOLL FREE NUMBER.** At the time of registration, the University will automatically assess international students' insurance premium each semester unless they can provide proof of adequate government-sponsored coverage or personal insurance coverage including medical evacuation (benefits to be paid for the evacuation of the insured person to the home country) and repatriation (benefits to be paid for preparing and transporting the remains of the deceased's body to the home country). An embassy letter or personal insurance policy must be submitted to the Student Services Department for review if an international student requests exemption of the cost and subsequent enrollment in this mandatory insurance plan. Request for exemption must include supporting documentation and must be made prior to registration for the semester of enrollment.

Counseling Services

The challenges of college life require a variety of personal strengths and problem solving skills. The Counseling Center's professionally trained counselors are available to help students enhance their strengths and develop their abilities to effectively manage their experiences of living, learning, and growing at ULM.

The Counseling Center offers many free and confidential services to undergraduate, graduate, and professional students. These services include individual, couples, and group counseling, consultation, and assistance with referrals. Counselors assist students in meeting their increased academic, personal, and social demands. Substance abuse prevention, education, intervention, counseling, and referral services are available. The Counseling Center also provides direct crisis intervention services for ULM students. These services may include ongoing counseling, referral to University or community resources, or consultation for faculty and staff facing a crisis situation.

In addition, counselors design and implement outreach workshops and programs to student classes, groups, organizations, and residence halls. These presentations, which are available upon request, educate students on a wide range of issues related to personal growth, mental health, and enhanced academic performance.

The Counseling Center, located in the Student Health and Counseling Center, is open Monday through Thursday from 7:30 a.m. to 5:00 p.m. and Friday from 7:30 a.m. to 11:30 a.m. Students may schedule an appointment by calling 342-5220. Emergency care on week nights and weekends may be obtained by contacting the University Police Department at (318) 342-5350. UPD contacts a counselor who will then respond immediately to the student in crisis.

Services for Students with Special Needs

The University of Louisiana at Monroe strives to serve students with special needs through compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act. A student with a physical disability or learning disability who needs accommodations should make arrangements for the Counseling Center to notify their professor of their needs at the beginning of the course. Students may contact the Counseling Center at (318) 342-5220 for an appointment. The Center offers a number of opportunities to students with special needs, and works with the student to eliminate or lessen obstacles to their education. Services of the Center include the provision of support to students with permanent or temporary exceptionalities, individual counseling, and assistance with academic accommodations.

Housing accommodations, as well as designated parking for these students are facilitated by other departments on campus.

Mobility Impaired Parking Procedure

An Application for Mobility Impaired Parking Permit and a memo, which are to be presented to the attending physician, can be obtained from the University Police Department or they can be downloaded at <http://www.ulm.edu/~police/parking/parkindex.htm>. Students must have their physician read carefully the memo and complete and sign the application which verifies their disability. Students must present the completed form to the University Police Department for approval. The University Police Department will provide students with a decal which designates the length of time they are eligible to receive mobility impaired parking. Students with temporary injuries who apply for mobility impaired parking will be assigned parking privileges for the anticipated length of recovery. Re-application for the permit is necessary if the condition persists beyond 90 days. For any impairment that is considered permanent by your physician, recertification must be done each Fall for the academic year.

TESTING CENTER

The purpose of the Testing Center is to provide students with information regarding national testing programs, placement exams, and correspondence courses, and to administer these exams. The Testing Center coordinates all national examination administrations on the ULM campus, including: ACT, CLEP, GMAT, GRE, LSAT, MCAT, PCAT, PRAXIS, and TOEFL. The Testing Center is the only authorized test administrator at ULM for correspondence, independent study, or any course exam administered at ULM on behalf of other institutions, regardless of a student's enrollment status at ULM. The ULM Testing Center approves and coordinates all requests for such exams.

The Testing Center offers CLEP, GMAT, MCAT, GRE, HOBET, PRAXIS, and TOEFL via computer on scheduled test days. It is recommended that students schedule their examinations a minimum of 4-6 weeks in advance to ensure receipt of scores before individual program deadlines.

Contact the Testing Center for additional information (305 Filhiol Avenue, 318-342-5336, or testing@ulm.edu).

VEHICLE REGISTRATION

All students, faculty, staff, and other employees of the University must register any motorized vehicle which is to be used on the campus. This registration must be completed immediately after bringing the vehicle on campus. Prior to registration, a vehicle use fee must be paid by each student using a vehicle.

Failure of any student, faculty, or staff to register a vehicle, or pay any fine for traffic citation, together with any administrative fee which may be assessed in connection therewith, may result in disciplinary action, which could include denying the parking of a vehicle on the campus.

VETERANS AFFAIRS

The Office of Veterans Affairs, located in the Administration Building, Room 1-109 on campus, assists all veterans and dependents in establishing eligibility to receive veterans education benefits at ULM. Requirements to receive benefits are that admission to the University is imminent, a DD-214 (military separation document) is submitted, and an application for veterans benefits is completed, along with a statement of the tentative number of hours in which a veteran plans to enroll. Additional information may be obtained by calling the Veterans Affairs Office at (318) 342-5223 or 5224 or sending an email to veterans@ulm.edu.

VETERANS EDUCATIONAL BENEFITS, CHAPTER 30 (NEW GI BILL), CHAPTER 32 (VEAP). The ULM veterans liaison counselor assists the veteran in establishing eligibility to receive veterans educational benefits at ULM. Requirements are that admission to the University is imminent, a DD-214 (separation papers) is submitted, and an application for veterans benefits is completed along with a statement of the tentative number of hours in which a veteran plans to enroll. This and other necessary information allows the counselor to enroll the

student with the Department of Veterans Affairs Regional Processing Office in order to generate the appropriate monthly payments. Promptness is imperative because it affects the date of the student's payment.

DEPENDENTS EDUCATIONAL ASSISTANCE ACT, CHAPTER 35. Students between the ages of 18 and 26 who are eligible to receive educational benefits because of the death of a parent in active military service or because of a service-connected disability should establish their eligibility with the Department of Veterans Affairs Regional Processing Office. Spouses of service-connected, totally disabled veterans, as well as widows or widowers of veterans who died of service-related causes, may also qualify for Dependents Educational Assistance. At each registration these students must register with the Veterans Affairs Office.

Dependents and veterans should check with the Veterans Affairs Office regarding tutoring and study skills.

SELECTED RESERVE EDUCATIONAL ASSISTANCE PROGRAM, CHAPTER 1606. This program is to provide educational assistance and to encourage membership in units of the Selected Reserve of the Ready Reserve of any of the Reserve Components of the Armed Forces. Persons eligible for this program must provide proof of eligibility by presenting a Notice of Basic Eligibility which has been provided by the person's respective military unit and signed by the Education Services Officer at Jackson Barracks, New Orleans, LA. Dependents are not eligible for this program. Educational Assistance is payable for undergraduate, graduate, and non-college degree programs at institutions of higher learning. Deficiency or remedial courses will not be paid unless the eligible person has executed a new six-year contract after September 30, 1990.

VOCATIONAL REHABILITATION, CHAPTER 31. Persons who are eligible to receive educational benefits because of a service connected disability should establish their eligibility with the Department of Veterans Affairs Vocational Rehabilitation and Counseling Unit in Shreveport, Louisiana. A DVA Form 28-1905 (issued by the Shreveport office) must be received by the ULM VA Office before benefits may be certified. At each registration these students must register with the Veterans Affairs Office.

A "School Information Form" must be completed before any benefits may be certified. This form can be obtained from and must be filed with the Veterans Affairs Office prior to the beginning of each fall semester.

Students who are transferring may not be fully certified for DVA benefits until official transcripts (directly from one university to another) from all universities previously attended have been forwarded to the Office of the Registrar. This is the responsibility of the student.

Beginning freshmen eligible to receive DVA educational benefits (except those receiving Chapter 1606) may enroll in the Undeclared/Interim option not to exceed a maximum of 24 semesters hours (including military credits and excluding remedial courses). Afterwards, they must select and transfer to degree-granting majors.

Chapter 1606 participants, continuing or transfer students must select degree-granting majors upon initial enrollment at ULM.

ALL STUDENTS DRAWING DVA EDUCATION BENEFITS must submit each semester or summer term a "Certification Letter" which lists all currently enrolled courses that apply to the degree program.

ACTIVITY CENTER

Intramurals - Wellness - Recreation

ULM's 88,000 sq. ft. Activity Center is one of the finest multi-purpose recreational facilities in the region. The Activity Center houses the University's Intramurals, Wellness and Recreation Programs, which are open to students, faculty and staff. Students pursuing 4 or more credit hours are automatic members and gain admittance by presenting their valid ULM ID. Part-time students, faculty and staff are invited to join for a nominal fee.

The Intramural Program sponsors competition in more than fifty events each year. Intramural activities are organized into men's and women's individual and team, and co-recreational divisions. Recreational equipment is available for check out through the Service Center with presentation of a valid I.D.

ULM's Wellness Program is comprehensive in nature and serves the University community. Components of the program include, but are not limited to: health promotion and disease prevention education, programs and services (fitness assessments, exercise prescriptions, exercise classes and related seminars, and wellness counseling).

INTERCOLLEGIATE ATHLETICS

The University of Louisiana at Monroe sponsors intercollegiate programs for both men and women.

The men's program sponsors seven sports: baseball, basketball, cross country, football, golf, indoor and outdoor track and field. The women's program sponsors nine sports: basketball, cross country, golf, soccer, softball, tennis, indoor and outdoor track and field, and volleyball. These sports are conducted in the National Collegiate Athletic Association's highest classification—Division I. The University is a member in good standing of the NCAA, the major governing body of intercollegiate athletics. All sports programs at ULM are conducted within the framework of NCAA and Sun Belt Conference regulations concerning student eligibility and other facets of the program.

Athletic scholarships are provided to outstanding men and women athletes in each sport.

ULM ORGANIZATION DIRECTORY 2008-2009

Greek Life

Alpha Kappa Alpha, Alpha Omicron Pi, Alpha Phi Alpha, Delta Sigma Phi, Delta Sigma Theta, Greek Council, Interfraternity Council, Iota Phi Theta, Kappa Alpha Order, Kappa Alpha Psi, Kappa Delta, Kappa

Sigma, National Panhellenic Council, National Pan-Hellenic Council, Omega Psi Phi, Phi Beta Sigma, Phi Mu, Pi Kappa Alpha, Sigma Gamma Rho, Zeta Phi Beta

Honorary

Alpha Epsilon Delta, Alpha Kappa Delta, Alpha Lambda Delta, Alpha Phi Sigma, Alpha Psi Omega, Beta Alpha Psi, Beta Beta Beta, Beta Gamma Sigma, Delta Kappa, Delta Tau Alpha, Eta Mu Sigma, Kappa Delta Pi, Kappa Kappa Psi National Honorary Band Fraternity, Kappa Mu Epsilon, Kappa Pi, Lambda Pi Eta, Lambda Tau National Medical Technology Honor Society, Mortar Board National College Senior Honor Society, Omicron Delta Kappa National Leadership Honor Society, Phi Alpha Social Work Honor Society, Phi Alpha Theta, Phi Kappa Phi, Phi Lambda Sigma, Pi Delta Phi French Honor Society, Psi Chi, Rho Chi Society, Sigma Delta Pi, Sigma Lambda Chi, Sigma Tau Delta, Sigma Theta Tau, Sigma XI, Tau Beta Sigma Honorary Band Sorority

Leadership and Service

31 Ambassadors, Campus Activities Board, Hawk Seekers, Hometown Hawks, PREP Staff, Student Government Association

Multicultural

International Students Association, National Association for the Advancement of Colored People (NAACP), Phi Tau Gamma, Vietnamese Students Association

Professional

Academy of Student Pharmacists, Alpha Eta Rho, American Meteorological Society, Associated Professional Educators of Louisiana, Association for Computer Machinery, Association for Women in Science, Association for Doctoral Students, Association of Information Technology Professionals, Association of Students in Kinesiology, Beta Alpha Psi, Chi Beta Gamma, Clinical Laboratory Science Society, Collegiate Music Educators National Conference, Delta Omicron Epsilon Professional Music Fraternity, Dental Hygiene, Financial Management Association, Graduate Student Counseling Organization, Insurance Society of ULM, Interdisciplinary Research Organization, International Society for Pharmacoeconomics and Outcomes Research, Kappa Epsilon, Lambda Alpha Epsilon, Louisiana Society of Health-Systems Pharmacists, Master of Business Administration Association, National Student Speech Language Hearing Association, Pharmacy Student Council, Phi Beta Lambda, Phi Delta Chi, Phi Delta Kappa, Pi Sigma Epsilon, Pre-Pharmacy Organization, Public Relations Student Society of America, Society of Professional Journalists, Student LA Early Childhood Association, Student Nurses Association, Student Occupational Therapy Association, Student Social Work Association, Technology Enhanced

Curriculum Applications, ULM Construction GUILD, ULM Pre-Law Association, Warhawk Flight Team

Publication

Chacahoula, KXUL Radio, The Hawkeye, The Helicon

Recreational

Soccer Club, ULM Water Ski Team

Religious

Baha'i Club, Baptist Collegiate Ministry, Baptist Student Fellowship, Catholic Campus Ministry, Chi Alpha Christian Fellowship, GRC Campus Ministry, Jewish Students Association, Latter-Day Saint Student Association, Muslim Students Association, Northeast Campus Ministry, Orthodox Christian Fellowship, Trinity Lutheran Campus Outreach, Warhawks for Christ

Special Interest

Ancient World Association, Beta Sigma Biology Club, Block and Bridle Club, College Republicans, English Studies Society, Gerontology Association, Honors Program, Non-Traditional Student Organization, Sociology Club, Speech & Debate Forum, Tau Omicron Chi, Philosophy Symposium, ULM Advocates for Equality, ULM Venturers Club, Upsilon Lambda

Spirit Groups

Cheerleaders, Choral Department, Dance Team, Scouts, Sound of Today Marching Band

Major Campus Activities

CAMPUS ACTIVITIES: Student Government Association and Campus Activities Board.

STUDENT PUBLICATIONS AND PRODUCTIONS: ULM Hawkeye (weekly newspaper); Chacahoula (yearbook); The Helicon (literary magazine), Campus Close-up and ULM Journal (television programs), KXUL (student radio station). The ULM Hawkeye and Chacahoula are members of the Associated Collegiate Press. KXUL is a member of Collegiate Broadcasters, Inc.

GENERAL STUDENT ACTIVITIES: Week of Welcome; Homecoming; "Miss ULM" Pageant; Play Productions; University Elections; Debate and Forensics; Spring Fever Week; University Arts Festival; Spirit Groups; Military Ball; Las Vegas Night; and Student Organizational Skills.

MUSIC GROUPS: Symphonic Band; Concert Band; Marching Band; Concert Choir; University Chorale; Chamber Singers, Opera Chorus; Madrigalians; Interdenominational Ensemble; Jazz Ensemble; Brass Ensembles; Woodwind Ensembles; Percussion Ensemble; ULM Symphony Orchestra.

KXUL, the 8,500 watt student-operated FM station (91.1MHz) is on the air 24 hours each day, throughout the year. Licensed as a Non-commercial Educational station by the F.C.C., the station provides entertainment and information for its audience and broadcast experience for its staff. The programming ranges from alternative contemporary music, to news, to local artists. Additional station information and live audio streams are available worldwide via the Internet at <http://kxul.com>. Studios and offices are located on the first floor of Stubbs Hall.

KEDM Public Radio

KEDM 90.3 FM is a full power, public radio station that has served Northeast Louisiana and Southern Arkansas since 1991. With professional studios located on the second floor of Stubbs Hall, KEDM provides students and faculty with the opportunity to work with state-of-the-art digital equipment and produce locally oriented programming that promotes the resources of ULM and the arts and culture of Northeast Louisiana. Opportunities exist for volunteers and part-time employees.

STANDARDS OF CONDUCT FOR STUDENTS

ULM Code of Student Conduct

Section Five

- 5.01 Each student and/or guest assumes an obligation to obey all University rules and regulations made by properly constituted authorities.
- 5.02 The "Standards of Conduct for Students" outlines behavior expected by the University. Standards of conduct covering all aspects of human behavior cannot be written; therefore, omission of an offense from the written "Standards of Conduct for Students" does not prohibit the University from bringing charges for that offense. Municipal, Parish, State and Federal statutes cover many types of behavior not specified in University regulations.
- 5.03 Conduct regulations for students attending The University of Louisiana at Monroe and for officially recognized student organizations are designed to create and to promote a wholesome educational environment. Student and student organization conduct in the environment of an institution of higher learning is expected to be exemplary at all times. Conduct regulations at the University require each student and student organization to exercise respect for Federal, State, Parish and Municipal laws and to conduct personal affairs and activities both on and off campus to reflect credit both to the student, to the student organization, and to the University. To promote this goal, the University does not permit the following activities:

Acts Contrary to Public Health and Safety

- 5.03:01 Littering or throwing any object from a vehicle or a University facility to include intentionally throwing any object onto the competing surface of an athletic event.
- 5.03:02 Possession of, display of, discharge of, use of, sale of, or attempt or threat to use firearms, ammunition, explosives, fireworks, or other dangerous weapons, substances or materials of any kind on University property or at any University approved activity.
- 5.03:03 Any act of arson or setting a fire on University property without proper authority.
- 5.03:04 Swimming, floating, or wading in the bayou on University property. Fishing in the bayou from a bridge on University property.
- 5.03:05 Tampering with or removing from its proper location, fire extinguishers, hoses, or other fire or emergency equipment, except when done with reasonable belief of real need for such equipment.
- 5.03:06 Failure to comply with Traffic and Parking regulations for automobiles, motorcycles, bicycles, skates, skateboards, rollerblades, or any other vehicles and regulations for pedestrians; misuse or theft of staff or student parking decals. This standard includes storing or parking a gasoline-powered motorcycle, motorbike, moped or a container containing gasoline or other highly flammable liquids inside a University building.

Acts Contrary to Orderly Activities

- 5.03:07 Falsely reporting a fire or other emergency; falsely setting off a fire alarm; unauthorized use of emergency exits.
- 5.03:08 Falsely reporting the presence of an unlawful explosive or incendiary device with the intent to mislead, deceive, or disrupt the operation of the University or a scheduled event sponsored or co-sponsored by the University.
- 5.03:09 Rioting, inciting to riot, assembling to riot, raiding, inciting to raid, or assembling to raid University personnel, buildings or other University property.
- 5.03:10 Participation in harassment, in any group demonstration, sit in, or disorderly conduct which disturbs the orderly activities and processes of the University or infringes on the rights of other students or University personnel.
- 5.03:11 Sitting, obstructing or placing items such as books, purses, drink containers, etc.,

in hallways, stairways, walkways, or building entrances or exits.

- 5.03:12 Intentional obstruction, disruption or interference of teaching, research, administration, disciplinary procedures or University-authorized activities or events.
- 5.03:13 Intentional interference with the right of access to University facilities or with any other lawful rights of any person on campus.
- 5.03:14 Visitation of other college or university campuses or industrial sites, or any other property (private, public, or corporate) for the purpose of defacing or destroying said institutions or property or of disrupting the normal activities of such said institutions or property.
- 5.03:15 Abusive, drunken, violent or excessively noisy behavior or expression on University property or at University authorized activities.
- 5.03:16 Intentionally delaying, obstructing or resisting persons who identify themselves as Residential Life staff members, faculty members, University Administrators, University Police Officers or other law enforcement officials, fire officials, or other University employees in the performance of their duty.

Acts Contrary to Property Rights

- 5.03:17 Trespassing.
- 5.03:18 Vandalism, malicious or ignorant destruction, damage, disfigurement or misuse of public or private property including library materials.
- 5.03:19 Unauthorized entry or use of University facilities or any violation of University rules regarding the use of University property.

Acts Contrary to Individual Rights

- 5.03:20 Discriminatory behavior against any member of the University community.
- 5.03:21 Engaging in oral or written speech that is directed to inciting or producing imminent lawless action and/or is likely to incite or produce such action.
- 5.03:22 Lewd, indecent, or obscene behavior or the distribution of obscene matter on University property; this standard includes similar behavior when utilizing telephones, answering machines, or computer generated materials, computers, sound systems.
- 5.03:23 The threat or commission of physical violence against any person on or off University property or at any University authorized event or other conduct which threatens the health or safety of any person. This standard includes violence

purposed to influence an employee's official action, and it includes intimidation and threats made toward the person bringing the charge or witnesses involved in any University disciplinary hearing.

- 5.03:24 Hazing in any form including action taken or situation created, whether on or off college or University property, which is life threatening to the individual; and kidnapping, paddling, slapping, branding, burning with a cigarette, or any such activities which are life threatening to the individual or are intended to hurt or to humiliate physically or mentally. (Please refer to the Hazing Policy in the "Student Policy Manual" for a further completed definition of hazing.)
- 5.03:25 Disrespect or inappropriate behavior at any time when dealing with students, University personnel, and the general public. This includes various degrees of obscenities and profanities.
- 5.03:26 Harassment of any member of the University community. Stalking or the repeated following or harassing of another person accompanied by the making of a credible threat with the intent to place that person in reasonable fear of death or serious injury.

Acts Contrary to Stated Policy

- 5.03:27 Failure to comply with the University of Louisiana System Board of Supervisors or University rules and regulations related to any areas within their jurisdiction, including but not limited to: library, residence halls and dining services, traffic, automobile usage, conduct on and off campus, conduct in the classroom, organizational activities, and use of building and physical plant.
- 5.03:28 Failure of residence hall students, their guests or visitors to comply with those rules governing conduct of students residing in residence halls.
- 5.03:29 Unauthorized occupation of any University facility; unauthorized visitation in campus residence halls.
- 5.03:30 Failure to produce identification when requested by a University Police Officer, a residence hall staff member, or other identified University Official.
- 5.03:31 Improper move out or check-in of the University residence hall system.
- 5.03:32 Unauthorized establishment of an off-campus residence.
- 5.03:33 Failure to answer a University summons or to appear for a disciplinary hearing as outlined in this Code.

Acts of Dishonesty, Misuse or Unauthorized Possession

- 5.03:34 Violation of University Drug Policy to include: Unauthorized or illegal possession, use, distribution, sale, manufacture or transportation of narcotics, stimulants, depressants, barbiturates, sedatives, tranquilizers, hallucinogens, drug paraphernalia, marijuana and/or other similarly known drugs and/or chemicals.
- 5.03:35 Violation of University Alcohol Policy, to include: possession or consumption of alcoholic beverages or possession of alcoholic beverage containers on campus, or during any trip sponsored by the University, except as provided in University policy, and/or underage drinking or possession or providing alcohol to underage students on or off campus.
- 5.03:36 Falsification, forgery, alteration or misuse of University documents, records, identification cards or meal tickets; furnishing false information to the University with the intent to deceive.
- 5.03:37 Dishonesty or illegal gambling in any form on University property or at any University-approved activity.
- 5.03:38 Passing a worthless check or money order to the University or to a member of the University community acting in an official capacity.
- 5.03:39 Theft, larceny, shoplifting, embezzlement or the temporary taking of the property of another.
- 5.03:40 Lifting, taking or acquiring possession of, without permission, any academic, personal or financial materials (tests, information, research papers, notes, books, periodicals, etc.) or financial information from a member of the University community. This would include copyright violations.
- 5.03:41 Giving false testimony or other evidence at any official hearing of the University or giving false information to any faculty or staff member acting in the performance of his/her duties.
- 5.03:42 Academic Cheating or Plagiarism.

Other Acts of Misconduct

- 5.03:43 Violation of censures imposed by Judicial Affairs or any other specified University Unit.
- 5.03:44 The commission of acts or attempted acts on or off University property, at University authorized events or on any property owned, leased, or occupied by any formal or informal organizations associated with, approved by, or identified with the University, including

without limitation, any athletic club, academic club, social club, fraternity, sorority or other society, which acts or attempted acts constitute a violation of federal, state, parish and municipal law.

- 5.03:45 Bribing any University employee.
- 5.03:46 Unauthorized access to or misuse of University computers, computing systems, networks or services including services such as "Facebook", "MySpace.com", etc. Students using computer resources at the University must have an account issued to them and must abide by the terms and conditions stated on the account authorization form. (NOTE: Any violation or abuse of University computing equipment, or any breach of security regarding University computers can result in the loss of privilege to use University computing resources or in more serious disciplinary action.)
- 5.03:47 Failure to comply with directions of University Officials acting in the performance of their duties.
- 5.03:48 Attempting to commit, aiding or inciting others to commit or attempt to commit any act of misconduct set forth above.

Finally, to preserve the educational environment of the University Community, a student or student organization may be formally charged with a violation of the ULM Code of Student Conduct and referred to a hearing before the appropriate university administrator or unit for possible disciplinary action when as a result of misconduct the student or student organization is:

- 5.03:49 Convicted of a felony.
- 5.03:50 Formally charged by civil authorities with the commission of a felony of such nature that the student's or student organization's continued presence at the University is potentially dangerous to the health, safety, and educational environment of the University community; or
- 5.03:51 When there is strong convincing evidence that the student or student organization against whom civil authorities have not brought charge or imposed penalties has committed a felony of such nature that the student's or student organization's continued presence at the University is potentially dangerous to the health, safety, and educational environment of the University community.
- 5.03:52 Sexual misconduct, sexual assault, sexual harassment as defined in the University Policies section (Chapter 4) of the Student Policy Manual.

Academic Cheating and Plagiarism

I. Definitions:

A. Academic cheating includes the accomplishment or attempted accomplishment of the following:

- * 1 Copying or obtaining information from another student's test paper.*
 - ** 2. Using, during a test, materials not authorized by the person giving the test.
 3. Collaborating, conspiring, or cooperating during a test with any other person by giving or receiving information without authority.
 4. Stealing, buying, or otherwise obtaining all or part of an unadministered test.
 5. Selling or giving away all or part of an unadministered test or any information concerning specific questions and items on an unadministered test.
 6. Requesting, bribing, blackmailing, or in any other way causing any other person to obtain an unadministered test or information about an unadministered test or a test in the process of being administered.
 7. Substituting for another student, or permitting any other person to substitute for oneself, to take a test.
 8. Submitting as one's own, in fulfillment of academic requirements, any theme, report, term paper, essay, other written work, art work, painting, drawing, sculpture, musical composition, or other art work prepared totally or in part by another person.
 9. Any selling, giving, or otherwise supplying to another student for use in fulfilling academic requirements any theme, report, term paper, essay, other written work, painting, drawing, sculpture, or other art work.
 10. Submitting artificially produced data or information in the place of descriptive, experimental, or survey results.
 11. Any other devious means of securing an unearned grade in a non-credit course or in a course offered for credit.
- * A student looking on another student's paper is considered cheating.
- ** The presence on one's person (or in close proximity thereto) of a condensation of test information which could be regarded as a "cheat sheet" will be considered adequate evidence to establish cheating.

B. Plagiarism is the use of any other person's work (such work need not be copyrighted) and the unacknowledged incorporation of that work in one's own work offered for credit.

II. Academic Procedures and Censures

A. Procedures

An alleged instance of academic cheating or plagiarism shall be investigated by the instructor. If he/she feels the student is guilty, the incident

must be reported in writing within one week following the incident to the department head and/or the associate dean (or other appropriate administrator), who will report the incident in writing to the Office of Student Services and Judicial Affairs. The Office of Student Services and Judicial Affairs (or his authorized agent) will determine and report back to the department head and/or associate dean whether there exists any record of previous such incidents*, or if other violations of student conduct are on record for the student. With this information, the Instructor may meet with the department head (and/or the associate dean), to further discuss the incident and determine the nature of the offense and assign the appropriate penalty. If necessary, the student's academic dean may be consulted. A penalty of suspension, dismissal, or other penalties as described under "Censures" (below) may be imposed by the student's academic dean if the student's record reveals previous offenses or if the nature of the offense would call for a more severe penalty. The student and the Office for Judicial Affairs will be informed of the penalty in writing in a timely manner (any may also be informed in person) by the instructor, the department head, the associate dean, or other appropriate University administrator.

B. Censures (Penalties)

Penalties for cheating and plagiarism will generally be more severe in instances in which the student has had previous violations of University standards of student conduct (academic or non-academic), and can vary with the nature of the offense and the circumstances. At the very least, a student must be assigned a value of zero for the work involved. However, if determined appropriate, a student can be assigned the grade of "F" for the course, of, by action of the student's academic dean, can be placed on academic suspension or dismissed from a major or professional degree program following a first offense.

* A file of such incidents will be maintained in the Office of Student Services and Judicial Affairs.

III. Appeal Procedure for Ruling on Cheating or Plagiarism

A. Timelines

An appeal, if one is made, must begin within three working days of notification of the decision. Each subsequent step in the appeal process must begin within five working days of the decision rendered in the preceding step.

B. Criteria

A student may appeal a decision rendered by the process described under "II. Academic Procedures and Censures" if:

1. A procedural error has occurred.
2. New evidence has been secured. This evidence must be supported by affidavits or

other supporting documentation which will be reasonably reviewed by the appropriate University Administrator.

3. The penalty is disproportionate to the violation. Clear and convincing reasons must be given to show that the penalty does not meet the test of reasonableness and fairness.
4. The decision is unsupported.

C. Process

1. It is the student's responsibility to carry the appeal to each succeeding level. Each written request shall include:
 - a. Date of letter
 - b. Student name and identification number
 - c. Course name, number, and section
 - d. Name of faculty member
 - e. Date of student/faculty conference
 - f. Statement concerning basis for appeal, with any supporting documentation
 - g. Student's legal signature
2. Appeals at different levels (general conditions for appeals apply at all levels).
 - a. Faculty member — The student must first meet with the faculty member to attempt to resolve the matter.
 - b. Department head — If the matter is not resolved with the faculty member, the student shall send a written request to the faculty member's department head for a conference with the department head and faculty member. The department head shall provide the faculty member with a copy of the written request. The faculty member shall provide the department head with a statement concerning the basis for the penalty with any supporting documentation. The department head, faculty member, and student shall meet to discuss the appeal. The department head shall notify the student and faculty member of the decision.
 - c. Dean -
 1. College of Health Sciences
If the student wishes to appeal the decision of the department head in the College of Health Sciences, a written request for a meeting shall be sent to the associate dean of the college of Health Sciences. The department head shall provide the associate dean with a statement concerning the basis for the penalty with any supporting documentation. The associate dean shall meet with the department head, faculty member, and student to discuss the appeal and shall notify them of the decision. If the student wishes to appeal the decision of the associate dean, a written request for a meeting shall be sent to the dean of the College of Health

Sciences*. The associate dean shall provide the dean with a statement concerning the basis for the grade with any supporting documentation. The dean shall meet with the associate dean, department head, faculty member, and student to discuss the appeal and shall notify them of the decision.

2. All Other Colleges

If the student wishes to appeal the decision of the department head, a written request for a meeting shall be sent to the faculty member's dean.* The department head shall provide the dean with a statement concerning the basis for the penalty with any supporting documentation. The dean shall meet with the department head, faculty member, and student to discuss the appeal and shall notify them of the decision.

- d. Academic Appeals Committee - If the student wishes to appeal the decision of the faculty member's dean, a written request for a meeting shall be sent to the Academic Appeals Committee through the faculty member's dean, who shall provide the Academic Appeals Committee with a statement concerning the basis for the penalty with any supporting documentation. The Academic Appeals Committee shall review the appeal and render a final decision and shall notify the student, faculty member, department head, dean, and Vice President for Academic Affairs of the decision.
- e. Vice President for Academic Affairs - If the student wishes to appeal the decision of the Academic Appeals Committee, a written request for a meeting shall be sent to the Vice President for Academic Affairs. The Committee shall provide the Vice President with a statement concerning the basis for the penalty with any supporting documentation. The Vice President shall review the appeal to ensure due process, and shall notify the student, faculty member, department head, dean and the Chair of the Academic Appeals Committee of the decision.

* In the event that the incident occurred in a course not in the student's academic college, but a penalty of suspension or dismissal has been imposed by the student's academic dean (as described under II.B. Censures - above), an appeal concerning the matter of responsibility (or not) would involve

the faculty member's dean; an appeal concerning the severity of the penalty would involve the student's dean. In either case, the appeal would be made to the Academic Appeals Committee as in "d." above.

CENSURES

The appropriate University Administrator, the appropriate Academic Unit, the Conduct Standards Committee, the Student Organization Judicial Committee, the President's Appeal Panel, the Student Sexual Harassment Committee, or the Appeals Committees, either prior to or after a hearing, may impose or recommend one or more of the following penalties for a student or a student organization:

- 6.01:01. Reprimand—A written letter or oral expression of strong disapproval from the appropriate University Unit to the student or student organization on whom this penalty is imposed. (Not on permanent record.)
- 6.01:02. University Community Service—Service hours that are assigned by the appropriate University Unit for a student who has violated University regulations and who is subsequently required and thus obligated to perform service to either the University community as a whole and its departments, to designated University student organizations, or to an approved local Monroe agency. The student or student organization is required to present written notification to the appropriate University Unit that the designated service has been satisfactorily completed.
- 6.01:03. Warning Probation—A specified period of testing imposed on a student or student organization during which further violations of regulations may result in more severe disciplinary action. The appropriate University Unit shall impose warning probation for a period of not more than one calendar year, and the student or student organization shall be removed automatically from probation when the imposed period expires. (Not on permanent record.)
- 6.01:04. Disciplinary Probation—A specified period of testing imposed on a student or student organization during which further violations of regulations may result in suspension from the University. The student or student organization shall be automatically removed from probation when the period expires.

- 6.01:05. Indefinite Disciplinary Probation—An unspecified period of testing imposed on a student or student organization during which further violations of regulations may result in suspension from the University. This probation shall remain in effect until removed by the appropriate University Unit.
- 6.01:06. Counseling—Students or student organization members whose behavior on the University campus would suggest that personal or educational difficulties require counseling will be directed to the ULM Counseling Center, the ULM Marriage and Family Therapy Clinic, the ULM Leadership and Educational Counseling Center, or to a Student Life counselor by the appropriate University Unit for a period of time to be designated by the counselor(s). In cases where the University is not qualified or equipped to handle severe personal, psychological or emotional problems, the designated University counseling unit then will work with the student and an off-campus agency to meet the student's needs. The student or student organization members is required to present written notification to the appropriate University Unit that the specified counseling has been satisfactorily completed.
- 6.01:07. Withholding of transcript or diploma—may be imposed upon a student who fails to pay a debt owed the University or who fails to clear provisional admission. The penalty terminates upon payment of the debt or clearance of provisional admission.
- 6.01:08. Bar against readmission—may be imposed on a student who has left the University with disciplinary action pending or who fails to pay a debt owed the University. The penalty terminates on clearance of the disciplinary matter or the debt.
- 6.01:09. Restitution—reimbursement for damage to or misappropriation of University property or personal property. Reimbursement may take the form of appropriate service to effect repair or of monetary compensation. The student or student organization is required to provide written evidence to the appropriate University Unit, within the time period required by that Unit, that damaged or lost property has been replaced and/or repaired to the owner's satisfaction.
- 6.01:10. Forfeiture of rights and privileges—this censure is an adaptable penalty in that the appropriate University Unit may recommend limitations to fit a particular case. For the purpose of modifying behavior, reasonable forfeiture of privileges may be imposed.
- 6.01:11. Suspension of eligibility for official athletic or non-athletic extracurricular activities—during the stated period of suspension, this censure may prohibit the student on whom it is imposed from joining a registered student organization and/or attending its meetings or functions and/or from participating in an official athletic or non-athletic extracurricular activity. During this period, a student organization will be prohibited from participating in non-athletic extracurricular activities. A suspension may be imposed under this subsection for more than one calendar year.
- 6.01:12. Failing grade—to be assigned to a student for a work in question or as the final grade for a course in which the student is found responsible of academic cheating or plagiarism.
- 6.01:13. Cancellation of registration—the cancellation of a student's current and/or future registration(s) by the University.
- 6.01:14. Suspension from class—a student found responsible of classroom disruption, falsification of documents, or excessive absences may be suspended from that class either for a specified period of time or for the remainder of the semester.
- 6.01:15. Suspension from a school or degree program—a student may be suspended from re-entering a specified school or degree program for violations of stated University policy. This suspension is for a specified period of time.
- 6.01:16. Dismissal from a school or degree program—permanent suspension from a school or degree program.
- 6.01:17. Suspension from a college—a student may be suspended from a particular college for a specified period of time for violations of stated University policy.
- 6.01:18. Dismissal from a college—permanent suspension from a college.
- 6.01:19. Suspension from the University—this suspension is for a specified period of time, and the student or student organization may apply for readmission to the University subsequent to expiration of the specified period. During the period of suspension, this penalty may prohibit the student or student organization members on whom it is imposed from visiting the University campus and/or from participating in University authorized activities (to include off campus events) without prior written approval of the appropriate University Administrator.
- 6.01:20. Temporary suspension—to be imposed on a student or student organization by either the appropriate University Administrator or

other appropriate University Unit in the event of a significant threat of continuing danger to persons or property or the ongoing threat of disrupting the academic process. Notice shall be given for a hearing in the event that this censure is imposed or recommended.

- 6.01:21. Dismissal from the University—suspension for an indefinite period of time.
- 6.01:22. Expulsion from the University—permanent separation from the University.
- 6.01:23. Payment of fines and/or loss of driving privileges on campus and/or disciplinary action—may result from citations issued by the University Police Department. (See current University Traffic Regulations.)
- 6.01:24. Administrative charge or payment of monetary penalty—this censure may be imposed on a student or student organization violating any University regulation(s) or failing to meet published University standards.
- 6.01:25. Mandatory on-campus or off-campus housing—this censure shall be imposed on students found guilty of violating the stated University of Louisiana System Board of Supervisors policies or University residential policy standards for any reason.
- 6.01:26. Drug Testing—this censure may be imposed on students found responsible of drug related violations of stated University policy. Drug testing which is paid for by the student may be required of students as a condition for remaining at the University while under serious other censures. The drug testing agency will be selected and assigned by the University.
- 6.01:27. Temporary Withdrawal of Official University Recognition—to be imposed by the appropriate University Administrator or University Unit on a student organization in the event of a threat of continuing danger to persons or property or the ongoing threat of disrupting the academic and educational processes of the University. Notice shall be given for a hearing in the event that this censure is imposed or recommended.
- 6.01:28. Withdrawal of Official University Recognition—to be imposed by the appropriate University Administrator or University Unit on a student organization which is no longer permitted to exist at ULM for either a specified or an indefinite period of time.
- 6.01:29. Provisional Status—a University registration flag to be imposed on a University applicant's or a currently enrolled or prior enrolled student's records housed in the University Registrar's Office.

This flag is imposed for alleged violations occurring on the University campus or at University-authorized activities, and the flag will be removed following a hearing by the appropriate University Administrator or other specified University Unit.

- 6.01:30. Administrative Withdrawal—the appropriate University Administrator may remove a student with good cause from the University campus by withdrawing the student from the University's official enrollment in the Registrar's Office in such instances as the student posing a significant threat to self or others of the University community; failing to pay all financial obligations to the University by a designated date; failing to answer University summonses or to address allegations or violations; failing to perform assigned University community service; failing to complete mandatory counseling; and/or failing to abide by the behavioral standards of the University or the University of Louisiana System Board of Supervisors.
- 6.01:31. University Ban—an individual may be banned permanently or for a specific period of time from the ULM campus or from individual building(s) or events.

DUE PROCESS OVERVIEW

At The University of Louisiana at Monroe, the due process system consists generally of three major components: 1) the appropriate University Unit reviews a student or student organization case; 2) appropriate University Unit renders a decision concerning the student or student organization case; and 3) if a student's or student organization's case meets the standards of an appeal, then the student may appeal the decision of the appropriate University Unit. The course of due process varies depending on the nature of the student case. In matters involving academics, a student case is reviewed in accordance with the "Academic Procedures and Censures".

Student cases involving off-campus housing, parking and traffic are initially reviewed by the appropriate University Administrator, and the University Administrator returns a determination in the student case. These student cases may be appealed to the respective Appeals Committees—Parking and Traffic Appeals Committee and Housing Appeals Committee. Other disciplinary cases may first be reviewed by, or appealed to either the Residential Life Judicial Committee, the Conduct Standards Committee, the Student Organization Judicial Committee, the Student Sexual Harassment Committee, or the appropriate University Administrator depending on the assigned unit of review and the nature of the student case.

All appeals must follow the procedures outlined in Section Eight of the ULM Code of Student Conduct as found in the Student Policy Manual. More specific information regarding due process, hearing procedures and appeal procedures is addressed in that manual which is available primarily through the Student Services Department, Student Center, Room 239, (318) 342-5230.

UNIVERSITY ADVANCEMENT AND EXTERNAL AFFAIRS

ULM ALUMNI ASSOCIATION

Organized in 1952, the ULM Alumni Association's mission is to support the fulfillment of the University's mission through the meaningful engagement of its alumni. The Alumni Association has 30 alumni chapters and 5 academic chapters, and draws its membership from over 55,000 graduates worldwide. Throughout the year, the Alumni Association hosts events that bring alumni, friends, faculty and staff, and future students together to share the ULM experience.

The Association's objective is to add value to the University's efforts in fund raising, student recruitment and political support, and to develop additional capacity to add value in these and other areas of university endeavors.

Former students and those who have earned at least 24 hours of credit at the University are eligible for membership in the ULM Alumni Association. Active members' dues are \$25.00 per individual, \$35.00 per couple, and life memberships are \$500.00 per individual.

To join the ULM Alumni Association, to update your alumni record, or for more information on membership benefits, check our website at: www.ulm.edu/alumni or call us at (866)-WARHAWK.

ULM FOUNDATION

The ULM Foundation was established in 1961 as a private, non-profit organization dedicated to the growth, development and enhancement of The University of Louisiana at Monroe.

The mission of the Foundation is to function as a service organization to the academic and student development communities by broadening the University's base of financial support through the coordination and centralization of major fundraising and gift solicitation activities.

The Foundation has grown steadily in assets and in the level and range of support provided to ULM's academic and student development programs. To date, enrichment activities provided through the Foundation's development program have touched many areas of university life, including faculty and staff development, student recruitment, student scholarships, and financial aid.

A 27-member Board of Trustees, comprised of business and professional leaders, provide policy and budgetary leadership for the Foundation.

WAYS OF GIVING

The ULM Annual Fund is the core development program that generates private support for academic excellence at the University of Louisiana at Monroe. Its mission is to raise annual gifts which support the recruitment and retention of outstanding students and the strategic academic initiatives of the University.

Other ways of giving to ULM include:

- * Cash Gifts
- * Memorials and Honoraria
- * Program Gifts
- * Wills
- * Naming Opportunities
- * Estate Gifts
- * Major Gifts
- * Real Estate Gifts
- * Gift Annuities

To learn more about ULM's needs, reasons to give, and levels of giving, check our website at: www.ulm.edu/supportulm.

ULM ATHLETIC FOUNDATION

The Athletic Foundation is ULM's athletic pillar, comprised of individuals and businesses that have a common interest in the overall athletic program. The Athletic Foundation strives to secure the necessary means to improve a student athlete academically and to enhance the University's image through athletic excellence. Founded in 1956, the Athletic Foundation helps finance travel, purchase supplies and equipment, and fund scholarships, upgrades and maintenance of athletic facilities.

For more information on methods of giving and membership levels and benefits, check our website at: www.ulmathletics.com.

UNIVERSITY CONFERENCE CENTER

The University Conference Center, located on the seventh floor of the University Library, provides support to the educational and public service missions of ULM. Preference is given for allocation of space in the Center to on-campus groups and to functions that are consistent with the mission of the University. Off campus groups may lease the Center, but political, sectarian, fraternal, and non-university related fundraisers are prohibited. For more information call (318) 342-3624.

UNIVERSITY RELATIONS

The Office of University Relations edits and disseminates all news releases concerning University activities, works as a liaison between administration/faculty/staff and the media, coordinates University publications, oversees the office of photographic services, coordinates the University's marketing initiatives, and works on many University and Community special projects.

GRADUATE SCHOOL

LISA COLVIN, Interim Dean, Graduate School
Administration Building, Room 1-142

For specific information regarding graduate programs or availability of financial support through graduate assistantships, please refer to the Graduate Catalog. Graduate Catalogs are available in the Campus Bookstore and in the Graduate School Office. Degrees may be earned in the majors listed below.

Graduate Programs

DEGREES

Master of Arts

Communication
Criminal Justice
English
Gerontology
History
Marriage and Family Therapy
Substance Abuse Counseling

Master of Arts in Teaching

Elementary Education (1-5)
Multiple Levels (K-12)
Secondary Education (6-12)
Special Education Mild/Moderate (1-12)

Master of Business Administration

Business Administration

Master of Education

Counseling
Curriculum & Instruction
Educational Leadership
Educational Technology Leadership
Special Education

Master of Music

Music

Master of Science

Biology
Exercise Science
Pharmaceutical Sciences
Psychology
Speech-Language Pathology

Specialist in School Psychology

School Psychology

Doctor of Education

Curriculum and Instruction
Educational Leadership

Doctor of Philosophy

Marriage and Family Therapy
Pharmacy

Professional Degrees

Doctor of Pharmacy

UNDERGRADUATE CORE CURRICULUM

The distinguishing quality of a university education is the intersection and blend of career preparation and life enrichment. Through the Core Curriculum, ULM joins these two purposes together, and both of these aspects of a good university experience were uppermost in the minds of the faculty and administrators when they established the new Core Curriculum. In fact, several principles have guided the building of ULM's common core.

One fundamental concern was the desire to provide ULM students with opportunities to explore the interrelationship of knowledge in our increasingly complex, global society. Thus, an emphasis was placed upon offering courses that have an interdisciplinary content or that can be paired with other disciplines in challenging, informative ways to reveal the links that various endeavors of study possess. Students thus will have the freedom to explore different avenues of inquiry and to see how various kinds of knowledge connect.

Another governing principle was to expand our literary and cultural offerings to include the examination of the people, values, and societies of both Eastern and Western civilizations. This step was taken in the knowledge that a global perspective is a necessity for today's students who will live and work in a world economy and in an ever-changing international environment.

A third key objective was to develop the writing, research, and communication skills of our students and to integrate these skills with a knowledge of the humanities and the sciences, particularly the areas of literature, the social sciences, the fine arts, history and mathematics.

Yet another effect of the creation of our Core Curriculum is that the resulting commonality of academic experiences of the student population will enable those students who want to transfer between majors the ability to do so more easily.

Above all, the Core Curriculum has been established to serve the long term educational needs of ULM students. Accordingly, we offer our undergraduate students this broader, stronger educational foundation that was created and adapted from the general education requirements of the Louisiana Board of Regents General Education guidelines. The Board of Regents requirements stipulate that a minimum of 39 hours of credit in certain areas of English composition, mathematics, the natural sciences, the humanities, the fine arts, the social/behavioral sciences, and computer literacy must be earned by students pursuing a B.A. (Bachelor of Arts), B.S. (Bachelor of Science), or a Bachelor's (non-designated) degree. (For a complete list of the Louisiana Board of Regents Statewide General Education Requirements, see this section on page 61). ULM's Core Curriculum, which requires that a total of 42 hours of credit be earned in various fields of study, adheres to and meets the stipulations of the Board of Regents requirements. By adding a common interdisciplinary university capstone course which emphasizes the development of thinking skills, writing, and research and by focusing upon first-year and sophomore courses which will best prepare students for advancing to the courses in their majors, the Core Curriculum ensures that ULM's students will be intellectually well-equipped to complete their chosen programs of study, as well as to find a meaningful place in today's rapid-paced, integrated world.

ULM COMMON CORE CURRICULUM

Foundation Courses

It is imperative that undergraduate students entering ULM are provided with a strong academic foundation upon which to build their future college careers. Ultimately, this structure, which follows many national trends, brings a much needed breadth and commonality to the ULM academic experience and makes it easier for students to transfer between majors.

REQUIREMENTS	DETAILS
<p>Freshman Year Seminar (1 Hour)</p> <p>The one-hour credit earned for this course will not count toward the total number of hours required to complete a degree.</p>	<p>This course is designed to maximize the student's potential to achieve academic success. The course includes an introduction to ULM academics, technology, and study skills. It also introduces students to the many resources available to them at ULM.</p>

REQUIREMENTS	DETAILS		
<p>Core English Composition 6 Hours ENGL 101 ENGL 102</p>	<p>The goal of these introductory composition courses is to encourage the development of proficiency in writing.</p>		
<p>Core Humanities 9 Hours ENGL 203, 204 (World) 205, 206 (U.S.) HIST 111, 112 (World) 201, 202 (U.S.)</p> <p>Six hours must be taken as a sequence of two courses in either Literature or History. The remaining three hours must be taken in the other discipline's alternative field (i.e., one course in either the U.S. or the World area).</p>	<p>The goals of the Humanities courses are to encourage an understanding of the literature, history, language, culture, and belief systems of nations and to improve the written and oral skills of students.</p>		
<p>Core Fine Arts 3 Hours Art 109, 201, 202, 411* Dance 301 Music 101, 191 Music Education 335* Theater 191</p> <p>Choose one from the above list. *Art 411 and Music Education 335 are for Elementary Education majors only.</p>	<p>Fine arts courses help students understand and appreciate visual art, drama, and music. Students learn about the creative process and the nature of art. Each fine arts course should include first-hand experiences with works of art, music, or theater.</p>		
<p>Core Mathematics 6 Hours Math 110 or 111, 112, 113, 114, 116, 118, 131, 132</p> <p>Six hours of approved mathematics classes from the 100 level or higher must be selected from the above list.</p>	<p>Students may not use both Math 114 and Math 131 to satisfy the mathematics core requirement. Students may not use both Math 111 and 113 to satisfy the mathematics core requirement. Students may not use both Math 112 and Math 113 to satisfy the mathematics core requirement.</p>		
<p>Core Natural/Physical Sciences 9 Hours Biology 101, 110; 120, 122; 114, 115 Atmospheric Sciences 101, 102 Chemistry 101, 102; 107, 108 Geology 101, 102 Physics 203, 204; 207, 208 Physical Science 101, 102 Integrated Science* 101, 102; 103, 104</p> <p>*Integrated Science courses are for Elementary Education majors only.</p> <p>Physics 201 is an approved course which may be taken to satisfy three hours of the nine hour requirement.</p>	<p>Six hours must be from an approved sequence of two courses in either biological or physical science. Three hours must be from the other area.</p>		
<p>Core Social Sciences 6 Hours</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><i>Group I:</i> Economics 103 Geography 101 or 102 Political Science 101 Sociology 101 or 102</p> </td> <td style="width: 50%; vertical-align: top;"> <p><i>Group II:</i> Economics 201 *Psychology 201 Political Science 201 Anthropology 207</p> </td> </tr> </table> <p>*Note: Psychology 201 and 203 or 205 may be used to satisfy this requirement for Education majors.</p>	<p><i>Group I:</i> Economics 103 Geography 101 or 102 Political Science 101 Sociology 101 or 102</p>	<p><i>Group II:</i> Economics 201 *Psychology 201 Political Science 201 Anthropology 207</p>	<p>Six hours of approved Social Science courses are required. Three hours must be selected from each Group, but the two selections <i>must</i> represent different disciplines.</p>
<p><i>Group I:</i> Economics 103 Geography 101 or 102 Political Science 101 Sociology 101 or 102</p>	<p><i>Group II:</i> Economics 201 *Psychology 201 Political Science 201 Anthropology 207</p>		

REQUIREMENTS

Core University Capstone 3 Hours

The University Capstone is an advanced, thematic, interdisciplinary course that is intended to give students an opportunity to refine, synthesize, and demonstrate the knowledge and skills acquired during their earlier core experiences. This course will give substantive attention to critical thinking, methods of inquiry, written and oral communication skills, and computer literacy. In this research-driven course, students will be taught explicitly over the course of the semester to identify, reconstruct, analyze, and critique reasoned claims.

This course must be taken within the student's last 60 hours of credit.

TOTAL CORE CURRICULUM HOURS 42 HOURS

Core Curriculum Guidelines

1. Students must complete all of the courses in the Core Curriculum (a total of 39 hours) before they enroll in the University Capstone course.
2. The student's work in a major or minor may count toward meeting the University Core.
3. Transfer students can apply equivalent hours earned at other universities to meet ULM core requirements (equivalency to be determined by the appropriate department head and the Board of Regents' Statewide Student Transfer Guide and General Education Articulation Matrix).
4. No course used to fulfill University core curriculum requirements may be taken Pass/Fail.
5. Transfer credit will not be accepted for the Capstone requirement.
6. All freshman students are required to take the Freshman Year Seminar for one credit hour (the course will not count toward any degree program and will be nontransferable).
7. In the absence of a compelling reason, degree programs should refrain from defining or limiting student choices within the menu of prescribed general education courses.
8. ETV courses may not be used to satisfy core curriculum requirements

Core Curriculum Abbreviations Used in Degree Plans or Programs of Study

Some degree plans specified that certain courses must be taken from within a menu of the sets of courses in the core curriculum. For those that did so, first the specific course will be listed in the degree plan, followed by the appropriate abbreviation which indicates which requirement is being fulfilled by the specified required core curriculum course. For example, if Mathematics 113 and 131 must be taken by Computer Science majors, then the requirement will be listed as

"Mathematics 113^{cm}, 131^{cm}". The core curriculum abbreviations which have been used are as follows:

ce	Core English Composition
ch	Core Humanities
cf	Core Fine Arts
cm	Core Mathematics
cnp	Core Natural/Physical Science
cs	Core Social Science
uc	University Capstone

COLLEGE OF ARTS AND SCIENCES

JEFFREY D. CASS, *Dean*
Administration 1-45

ACADEMIC PROGRAMS

Associate of Arts (AA)
Associate of General Studies (AGS)
Associate of Science (AS)
Bachelor of Arts (BA)
Bachelor of Fine Arts (BFA)
Bachelor of General Studies (BGS)
Bachelor of Music (BM)
Bachelor of Science (BS)
Master of Arts (MA)
Master of Music (MM)
Master of Science (MS)

ARTS AND SCIENCES UNDERGRADUATE DEGREES

DEPARTMENT/SCHOOL	MAJOR	DEGREE
DEAN'S OFFICE	General Studies	AGS
	General Studies	BGS
AGRICULTURE	Agribusiness	BS
BIOLOGY	Biology	BS
CHEMISTRY	Chemistry	BS
	Concentrations:	
	American Chemical Society Certified Program	
	Non-ACS-Certified Program	
COMMUNICATION	Mass Communications	BA
	Communication Studies	BA
CRIMINAL JUSTICE	Criminal Justice	AA and BA
ENGLISH	English	BA
FAMILY AND CONSUMER SCIENCES	Care and Development of Young Children	AS
	Family and Consumer Sciences	BS
	Concentrations:	
	Family and Consumer Sciences Education (6-12)	
	Family Life/Child Development	
	Interior Design	
FOREIGN LANGUAGES	Foreign Languages (French)	BA
	Foreign Languages (Spanish)	BA
GEOSCIENCES	Atmospheric Sciences	BS
GERONTOLOGY, SOCIOLOGY, AND POLITICAL SCIENCE	Political Science	BA
	Sociology	BA
HISTORY	History	BA
MATHEMATICS AND PHYSICS	Mathematics	BS
SOCIAL WORK	Social Work	BA

VISUAL AND PERFORMING ARTS

Art

BFA

Concentrations:

Ceramics
 Drawing
 Graphic Design
 Painting
 Photography
 Printmaking
 Sculpture

Music

BM

Concentrations:

Instrumental Music Performance
 Music History and Literature
 Music Theatre
 Music Theory and Composition
 Piano Pedagogy
 Voice Performance

OBJECTIVES

The College of Arts and Sciences assumes a two-fold responsibility. For ULM students the College provides the general education courses basic to all curricula in the University. For Arts and Sciences students the College provides the specific education leading to the Arts and Sciences degrees.

Within this framework the College leads students to acquire skill in the following areas:

1. Intellectual inquiry - learning facts and theories
2. Communication - writing and speaking with facility
3. Self-expression - enhancing creative ability
4. Problem solving - applying the scientific and other analytical methods
5. Critical thinking - distinguishing opinion from fact; substantiating ideas
6. Social values - exhibiting a democratic spirit, good citizenship, personal responsibility, and honoring the worth of the individual

ADMISSIONS TO DEGREE PROGRAMS

- I. Admission With Distinction Students granted honors admission into the University will be granted immediate entry into their chosen degree program.
- II. Provisional and Regular Admission- Students in these categories must meet the following requirements before being granted entry into their chosen degree programs:
 1. Satisfactory completion of any required developmental courses.

2. Satisfactory completion of all courses listed under the "Freshman Year" requirements of the chosen curriculum with a 2.0 grade-point average.
3. Satisfactory completion of all special admission requirements of the intended major field of study.

Students in provisional and regular admission status may not enroll in courses numbered 300 or above until they have completed all developmental and freshman requirements.

All transfer students and all students who interrupt their college work for one calendar year or more or who change their curriculum must meet the above requirements for formal admission to degree status. Students must be admitted at least one semester (or summer term) prior to the semester in which they intend to receive their degree.

CORE CURRICULUM

ENGLISH COMPOSITION 6 Hours
 English 101
 English 102

HUMANITIES 9 Hours
 Six hours must be taken as a sequence of two courses in either Literature or History. The remaining three hours must be taken in the other discipline's alternative field (i.e. a student must have at least one course in either the U.S. or the World area).

English 203-204 (World) History 111-112 (World)
 English 205-206 (U.S.) History 201-202 (U.S.)
 FINE ARTS 3 Hours

Art 109
 Dance 301
 Art 201
 Music 101
 Art 202

Music 191
Theatre 191

MATHEMATICS 6 Hours

Math 110 Math 116
Math 111 Math 118
Math 112 Math 131
Math 113 Math 132
Math 114

Students should NOT use these sets for core requirements:
110 and 111 112 and 113
111 and 113 114 and 131
110 and 113

NATURAL/PHYSICAL SCIENCE 9 Hours
Six hours must be from an approved sequence of two courses in either biological or physical science. Three hours must be from the other area.

Biological Sciences:	Physical Sciences:
Biology 101; 110	Atmospheric Sciences 101; 102
Biology 120; 122	Chemistry 101; 102
Biology 114; 115	Chemistry 107; 108
	Geology 101; 102
	Physics 203; 204
	Physics 207; 208
	Physics 201
	Physical Science 101; 102

SOCIAL SCIENCE 6 Hours
Three hours must be selected from each of the following two lists, but the two selections must represent different disciplines.

<u>Group I:</u>	<u>Group II:</u>
Economics 103	Economics 201
Geography 101 or 102	Psychology 201
Political Science 101	Political Science 201
Sociology 101 or 102	Anthropology 207

FRYS 101 (1) hours
UNIVERSITY CAPSTONE 300 3 hrs.
TOTAL CORE HOURS 42 HOURS

GENERAL INFORMATION

The foreign language requirement must be fulfilled in one language. Students entering with pre-college training in foreign languages should schedule courses on the basis of placement test scores and previous training.

Program Directors of curricula requiring a practicum (field education, internship) make reasonable efforts to assist a student in securing a placement. However, the student, not the University, is ultimately responsible for obtaining such a placement under the direction of the University. A student unable to obtain an acceptable placement or to complete a practicum successfully shall not be awarded the degree and is advised to change to a curriculum in which he will be able to complete degree requirements.

UNDECLARED/INTERIM OPTION

This is a convenient temporary option for:

1. Entering students who have not declared majors, but who plan later to change to degree-granting

curricula. During their crucial early semesters, these students should select from the CORE curriculum.

2. Students who do not presently meet the requirements for admission to the professional program of their choice.
3. High school students who participate in the Collegiate Program or the Concurrent Admissions Program for high school students and have not declared a major.
4. Students who do not wish to pursue a degree, but who wish to take more than six hours a semester.

NOTE: Students enrolled in the Undeclared/Interim Option are urged to decide upon and/or qualify for a degree-granting program at the earliest opportunity. Students receiving veterans' benefits are subject to additional regulations. (See section on Veterans Affairs.) Students involved in intercollegiate athletics are subject to additional restrictions and are advised to consult with their counselors regarding these rules.

ADMINISTRATION OF THE UNDECLARED/INTERIM OPTION

The Undeclared/Interim Option is administered by the Dean of the College of Arts and Sciences.

All transfer students and all students who interrupt their college work for one calendar year or more or who change their curriculum must meet the above requirements for formal admission to degree status. Students must be admitted at least one semester (or summer term) prior to the semester in which they intend to receive their degree.

While temporarily enrolled in this special non-degree classification until they select and/or qualify for admission to a major, students will be assigned to a special advisor.

DEPARTMENT OF AGRICULTURE

Casey , Musunuru, Pankey

AGRIBUSINESS

The Agribusiness curriculum provides a knowledge base and training for students pursuing careers in the production, processing, and distribution of food and fiber products.

This curriculum is designed to provide maximum flexibility through the selection of appropriate application electives and will allow students to obtain a minor in the following areas: Agriculture, Agronomy, or Animal Science. In fulfilling the requirements for the Bachelor of Science Degree in Agribusiness, students receive a minor in Agriculture.

Students may fulfill the Pre-Veterinary Medicine requirements by selecting the proper sequence of courses needed for application to schools of veterinary medicine.

Freshman Year	Hrs.
Agriculture 101 or 103; 110	5
Animal Science 101	4
Agricultural Business 201, 203.....	7
Core English Composition**	6
Mathematics 110 ^{cm} or 111 ^{cm} , 116 ^{cm}	6
Computer Science 170.....	3
FRYS 101	(1)
	<hr/>
	31

Sophomore Year	
Accounting 212.....	3
Agricultural Business 305.....	3
Agronomy 201	4
Biology 120 ^{cnp} , 121	4
Chemistry 101 ^{cnp} , 103; 105, 106 or 107 ^{cnp} , 109; 108 ^{cnp} , 110	8
Core Social Science Course*	3
Core Humanities **	6
	<hr/>
	31

Junior Year	
Accounting 213.....	3
Agricultural Business 307, 310.....	6
Agriculture 301	3
Application Electives	7
Economics 201, 202.....	6
Core Humanities**	3
Core Fine Arts**	3
	<hr/>
	31

Senior Year	
Agriculture 310	1
Agricultural Business 423, 461	7
Application Electives	16
Agronomy 411	4
University Capstone 300 ^{uc}	3
	<hr/>
	31

Total hours for degree, 124.

*Agribusiness majors must elect from Social Science Core Group I courses. See Core Curriculum requirements in the College of Arts and Sciences Core Curriculum section of the catalog on page 82.

**Agribusiness majors should see Core Curriculum requirements in the College of Arts and Sciences Core Curriculum section of the catalog on page 82.

DEPARTMENT OF BIOLOGY

Bell, Bhattacharjee, Carr, A. Findley, Fiorillo, Gissendanner, L. Hayes, Hill, D. Jackson, R. Jordan, Kelley, Knesel, Knobloch, Koper, Minton, Sasek, K. Tolson, A. Wiedemeir

In addition to being a fascinating field of study in its own right, the Biology major can be used to fulfill requirements for admission to medical, dental, veterinary, optometry or pharmacy schools, for wildlife biology

certification by The Wildlife Society, or for fisheries biology certification by The American Fisheries Society (see page 150). Students interested in pre-medicine or pre-dentistry should see page 21 of this catalog.

Specific Biology courses are required for every student majoring in Biology: Biology 120/121, 122/123, 305 and 499 (12 hrs). Every Biology major must also take at least one course from each of the four Biology list electives A, B, C, and D (14 hrs, shown in the "Courses of Instruction" section, page 151). A total of 48 credit hours in Biology are required. In addition to the Biology 305 and the Biology list electives, 16 credit hours must be taken at the 300-400 level.

BIOLOGY

Freshman Year	Hrs.
Biology 120 ^{cnp} , 121, 122 ^{cnp} , 123.....	8
Chemistry 107 ^{cnp} , 108, 109, 110	8
Core English Composition*	6
Mathematics 112 ^{cm} or 113 ^{cm} or 114 ^{cm} ; and 116 ^{cm}	6
Core Social Science*	3
FRYS 101	(1)
	<hr/>
	31

Sophomore Year	
Biology List Elective (A-D)**	8
Electives	4
English 322.....	3
Computer Science 170.....	3
Core Humanities*	3
Core Social Science*	3
Chemistry 230, 231, 232, 233	8
	<hr/>
	32

Junior Year	
Biology 305.....	3
Biology List Elective (A-D)**	6
Biology 200/300/400 level Electives.....	9
Foreign Language (same language)	6
Core Humanities*	3
Core Fine Arts*	3
KINS 201	1
	<hr/>
	31

Senior Year	
Biology 499	1
Biology 200/300/400 level Electives.....	13
Core Humanities*	3
Communication Studies 201	3
Math, Physical Science Electives.....	8
University Capstone 300 ^{uc}	3
	<hr/>
	31

Total hours for degree, 125.

*Biology majors should see Core Curriculum requirements in the College of Arts and Sciences Core Curriculum section of the catalog.

** See Biology in the Courses of Instruction section.

DEPARTMENT OF CHEMISTRY

Brotherton, Barnett, Buczala, Cruse, El-Giar, G. Findley, Fox, Junk, Thurlkill, Watson, Zehnder

All B.S. Chemistry majors must take six hours of a foreign language and fifty hours of core courses. The core must include the following thirty-nine hours of chemistry courses: Chemistry 107, 108, 109, 110, 230, 231, 232, 233, 240, 241, 310, 350, 351, 400, 431, 407 and 499.

Chemistry majors may choose the American Chemical Society Certified Concentration or the Non-ACS-Certified Concentration.

American Chemical Society Certified Concentration. To complete the 50-hour core, American Chemical Society Certified Degree candidates must take Chemistry 320, 321, 322, 323, and 413. Additional requirements include Mathematics 113, 131, 132, and 232 or 301; Physics 207, 208, 209, and 210.

Non-ACS-Certified Concentration. To complete the 50-hour core, Non-ACS-Certified majors must take Chemistry 220 and eight hours of elective courses (300-level or above). Additional requirements for the Non-ACS-Certified Degree include Mathematics 113 and 114; Physics 203, 204, 209, and 210; and 20 hours of free electives.

CHEMISTRY

Note: On any line below, if ACS-Certified Concentration and Non-ACS-Certified courses differ, the Non-ACS Certified courses are listed in brackets { }.

Freshman Year	Hrs.
Chemistry 107 ^{cnp} , 109; 108 ^{cnp} , 110	8
Core English Composition*	6
Mathematics 113, 131 or {Mathematics 113, 114} ^{cm}	7 {6}
Core Social Science (Group 1)*	3
Core Natural/Physical Science (Biological Science)*	3
Core Humanities*	6
FRYS 101	(1)
	33 {32}

Sophomore Year	
Chemistry 230, 231, 232, 233, 240, 241	13
Mathematics 132; 232 or 301 and 1 hr. elective; or {Electives}	8
Physics 207, 208 or {203, 204}	6
Physics 209, 210	2
Core Fine Arts*	3
	32

Junior Year	
Chemistry {220}; 310; 350; 351	8 {11}
Chemistry 320, 321, 322, 323 or {Electives 300-level or above}	8
Computer Science Elective	3
Core Humanities*	3
Foreign Language	3
Core Social Science (Group 2)*	3
	28 {31}

Senior Year

Chemistry 431, 407, 499	9
Chemistry 413 or {Elective}	3
Electives.....	13{11}
Kinesiology Activities	2
Foreign Language (Same Language)	3
Chemistry 400 ^{uc}	1
	31 {29}

Total hours for degree, 124.

*Students should see Arts and Sciences Core Curriculum section for requirements.

DEPARTMENT OF COMMUNICATION

Thameling, Alexander, Hebert, Kauffman, Kim, Loeb, Miller, Pace, Roach, Steckline, Willer, Wilson

COMMUNICATION STUDIES

(Formerly Speech Communications)

The Communication Studies curriculum provides an integrative view of communication and a critical understanding of the role of communication in culture and society. A student electing a major in Communication Studies will learn to speak eloquently, write effectively, interact cooperatively, listen empathically, argue persuasively and think critically.

The requirements for the major in Communication Studies include cognate courses consisting of related studies in Mass Communications. A student electing a major in Communication Studies has the option of choosing an academic minor.

The student must earn a grade of "C" or better in each course required in the major. A grade of "D" is non-progressive; the course must be repeated with a minimum grade of "C" before a student can progress to the next sequential course. A course transferred from another institution must show a grade of "C" or better.

A minimum of six hours of the Communication Studies electives must be completed at the 300 or 400 level.

Freshman Year	Hrs.
Core English Composition*	6
Core Humanities*	6
Core Natural/Physical Science*	3
Core Social Science*	3
Computer Science 170.....	3
Mass Communications 101 or 201	3
Communication Studies 101, 118.....	6
FRYS 101	(1)
	30

Sophomore Year

Core Humanities*	3
Core Mathematics*	6
Core Natural/Physical Science*	6
Foreign Language	6
Communication Studies 109, 201, 260	7
Communication Studies Elective	3
	31

Junior Year

Core Social Science*	3
Core Fine Arts*	3
Mass Communications 202 or 210	3
Communication Studies 304, 335, or 344	3
Communication Studies 305 or 405	3
Communication Studies 310, 311, or 330	3
Communication Studies Electives	6
Minor/Electives	6
	30

Senior Year

Communication 400 ^{uc}	3
Mass Communications 360, 370, 471, or Philosophy 203	3
Communication Studies 341, 451, 452, or 453	3
Communication Studies 450, 490	5
Communication Studies Elective	3
Minor/Electives	15
	32

Total hours for degree, 123.

*Communication Studies majors should see Core Curriculum requirements in the College of Arts and Sciences Core Curriculum section of the catalog.

MASS COMMUNICATIONS

This curriculum is designed to provide students maximum flexibility, through the appropriate selection of Mass Communications coursework, to pursue careers in journalism, public relations, media management, or media production.

The requirements for the major in Mass Communications include cognate courses consisting of related studies in communication. A student electing a major in Mass Communications has the option of choosing an academic minor.

A student must earn a grade of “C” or better in each course required in the major. A grade of “D” is non-progressive; the course must be repeated with a minimum grade of “C” before a student can progress to the next sequential course. A course transferred from another institution must show a grade of “C” or better.

All students must pass a departmental grammar examination before progressing in the major. This exam is administered as part of MCOM 210, both near the beginning and near the end of the semester. It is often offered once between semesters. Students may retake the exam on any of its scheduled offerings.

Mass Communications majors must take arts and sciences and general electives outside the major. A minimum of 80 semester hours must be completed

outside of Mass Communications, of which a minimum of 65 hours must be in the basic arts and sciences.

A minimum of six hours of the Mass Communications electives must be completed at the 400 level.

Cognate Requirement: a maximum of six hours of the Mass Communications cognate requirement are to be chosen from one of the following groups; the remaining three hours of the cognate requirement are to be chosen from the alternative group.

COGNATE GROUP I: Communication Studies 101, 102, 110, 118, 201, or 260.

COGNATE GROUP II: Communication Studies 302, 310, 311, 330, 341, 344, 450, or Philosophy 203.

Freshman Year

	Hrs.
Core English Composition*	6
Core Humanities*	6
Core Natural/Physical Science *	3
Core Social Science*	3
Core Fine Arts*	3
Cognate Requirement	3
Mass Communications 201, 210	6
FRYS 101	(1)
	30

Sophomore Year

Core Humanities*	3
Core Mathematics*	6
Core Natural/Physical Science*	6
Foreign Language	6
Mass Communications 311, 312, 411, or 412	3
Mass Communications 330, 341, or 360	3
Mass Communications Elective	3
	30

Junior Year

Core Social Science*	3
Cognate Requirement	3
Mass Communications 350, 351, 352, 354, 355, or 433	6
Mass Communications 361, 435, or 482	3
Mass Communications 370, 390, 481	7
Arts and Sciences Electives	3
Minor/Electives	6
	31

Senior Year

Communication 400 ^{uc}	3
Cognate Requirement	3
Mass Communications 490	2
Mass Communications Electives	9
Arts and Sciences Electives	6
Minor/Electives	9
	32

Total hours for a degree, 123.

*Mass Communications majors should see Core Curriculum requirements in the College of Arts and Sciences section of the catalog.

DEPARTMENT OF CRIMINAL JUSTICE

Williamson, Grafton, Hanser, Kuanliang, Rush

CRIMINAL JUSTICE

Associate of Arts

Freshman Year	Hrs.
English 101 ^{ce} , 102 ^{ce}	6
Mathematics 111	3
Sociology 101, 203.....	6
Science Electives	6
Criminal Justice 101, 230, 250	9
CSCI or CINS Elective	3
FRYS 101	(1)
	<u>33</u>

Sophomore Year	Hrs.
English 323.....	3
Political Science 201, 202	6
Communication Studies 101 or 201	3
Psychology 201	3
Criminal Justice 293, 299, Electives.....	10
Criminal Justice 270, 303, or 310	3
Fine Arts Elective	3
KINS 201	1
	<u>32</u>

Total hours for degree, 65.

CRIMINAL JUSTICE

Bachelor of Arts

Freshman Year	Hrs.
English 101 ^{ce} , 102 ^{ce}	6
Core Mathematics Requirement*	6
Communication Studies 101 or 201	3
Core Fine Arts *	3
Sociology 101 ^{cs}	3
Criminal Justice 101, 230	6
Computer Science Elective	3
FRYS 101	(1)
	<u>30</u>

Sophomore Year	Hrs.
Core Humanities (English)*	6
Core Humanities (History)*	6
Political Science 201 ^{cs} , 202	6
Foreign Language or Electives.....	6
Criminal Justice 250, 293	6
Criminal Justice 270, 303, or 310.....	3
	<u>33</u>

Junior Year	Hrs.
Criminal Justice 405, 415, Electives.....	15
Psychology 201	3
Core Natural/Physical Science*	9
KINS Activity.....	1
KINS Elective	1
Sociology 450.....	3
	<u>32</u>

Senior Year

Sociology 451 and 412 or 419	6
Psychology 401 or 406.....	3
Criminal Justice 301, 418, 429, electives	15
Elective/Minor.....	3
Computer Science or Foreign Language**	3
CJUS 499 ^{uc}	3
	<u>33</u>

Total hours for degree, 125.

*See Core Curriculum requirements in the Core Curriculum section of the catalog.

**Must be a 300- or 400-level Computer Science Course or the second course in a single Foreign Language.

DEPARTMENT OF ENGLISH

Hill, Adams, Bennett, Capezza, Cole, Eller, Gaines, Gregory, Griggs, Grinnell, Guernsey-Shaw, Haedicke, Harris, Heflin, Holloway, Loftin, Lock, McKinnie, McNeil, Oliver, Pate, Pettit, Rhorer, Ryan, Sloan, Stephenson, Tucker, Upshaw, Webb

ENGLISH

Freshman Year	Hrs.
Core English Composition*	6
Core Mathematics*	6
Core Natural/Physical Sciences*	6
Science Labs	2
Core Fine Arts*	3
Core Social Sciences*	6
KINS Activity.....	1
FRYS 101	(1)
	<u>30</u>

Sophomore Year	Hrs.
Core Humanities*	9
Foreign Language	6
English 201, 202.....	6
Communication Studies 101 or 201	3
Philosophy 201, 203, or 403.....	3
Core Natural/Physical Science *	3
Science Lab	1
	<u>31</u>

Junior Year	Hrs.
University Capstone 300 ^{uc}	3
Foreign Language	6
English 350 or 351	3
Sophomore English Elective**	3
English Elective Distribution Requirements	12
History Elective	3
History 330	3
	<u>33</u>

Senior Year	Hrs.
English Electives Distribution Requirements	12
Minor or Electives.....	19
	<u>31</u>

Total hours for degree, 125.

*English majors should see the Core Curriculum requirements listed in the College of Arts and Sciences Core Curriculum section of the catalog.

**Students must take English 205 or 206. If they have already taken English 205 or 206 as part of their Core Humanities Electives, then they must take one of the other remaining sophomore English electives.

DEPARTMENT OF FAMILY AND CONSUMER SCIENCES

Jackson, Buffington, Williamson

Science, Social Science, Specialty and Applied Electives must be approved by the advisor.

CARE AND DEVELOPMENT OF YOUNG CHILDREN

Associate of Science

Freshman Year	Hrs.
Family and Consumer Sciences 105, 115, 116, 117, 203, 212	15
English 101, 102	6
Mathematics 110 or 111 ^{cm} , 112 ^{cm}	6
Sociology 101	3
FRYS 101	(1)
	30
Sophomore Year	
Family and Consumer Sciences 215, 220, 217, 218, 226, 301, 305, 405	17
Kinseology 201, 333.....	4
Science Electives	6
Communication Studies 101 or 118	3
	30
Total hours for degree, 60.	

FAMILY AND CONSUMER SCIENCES

No FCSC 300 or 400 level courses will be scheduled until all freshmen and sophomore requirements are met.

Concentrations include: Family Life / Child Development, Interior Design, and Bachelor of Science in Family and Consumer Science Education. Coursework for these areas is listed in the Courses of Instruction section of the catalog.

Freshman Year	Hrs.
Family and Consumer Sciences 104, 105, 113, 115, 114 or 116, 117	13
Core Humanities*	3
Computer Science 170.....	3
Core English Composition*	6
Mathematics 110 ^{cm} or 111 ^{cm} and 112 ^{cm} , 116 ^{cm} or 118 ^{cm}	6
FRYS 101	(1)
	31

Sophomore Year

Family and Consumer Sciences 206	3
Core Humanities*	6
Core Social Science*	6
Core Fine Arts*	3
Core Natural/Physical Science*	6
Specialty Electives	7
Applied Electives	3
	34

Junior Year

Science Core Natural/Physical Science*	3
Communication Studies 201	3
Specialty Electives	14
Applied Electives	9
	29

Senior Year

University Capstone 300 ^{uc}	3
Family and Consumer Sciences 404	2
Specialty Electives	16
Applied Electives	9
	30

Total hours for degree, 124.

The Family Life/Child Development Concentration

prepares students to become non-certified teachers in Child Development Centers, Early Head Start and Head Start programs, and teacher's aides in public schools, as well as being a coordinator for infant and toddler programs, Parent Educator, Director of Child Development Centers and Family Life Program directors and coordinators. Coursework and hands on experiences will be provided in the areas of child development, child guidance and parenting.

The Interior Design Concentration

area emphasizes coursework in art, construction, textiles, residential and commercial design, housing, computer-aided design, preservation, materials studios, and internship. A minor can be selected in management, marketing, finance, or business administration.

*Students should see Arts and Sciences Core Curriculum section for requirements.

DEPARTMENT OF FOREIGN LANGUAGES

Smith, Adams, Butler, Fandal, Holloway, McKeithen, B. Michaelides, C. Michaelides, Rubio, Wortham

FOREIGN LANGUAGES

French and Spanish

Freshman Year	Hrs.
Core English Composition*	6
French or Spanish.....	6
Core Humanities History*	6
Core Mathematics*	6
Minor/Electives/Concentration	8
FRYS 101	(1)
	32

Sophomore Year

Core Humanities (English)*6
 French or Spanish9
 Core Natural/Physical Sciences (Lecture and Lab)*8
 Core Social Science*6
 Core Fine Arts*3
32

Junior Year

French or Spanish 9
 Minor/Electives/Concentration9
 Philosophy 201 or 2033
 Core Natural/Physical Sciences (Lecture and Lab)*4
 Geography 101.....3
 Communication Studies 2013
31

Senior Year

French or Spanish6
 Minor/Electives/Concentration15
 History 472, 473, 479, 487, or 4883
 Geography 102.....3
 University Capstone 300^{uc}3
30

Total hours for a degree, 125.

*Students should see Arts and Sciences Core Curriculum section for requirements.

The Global Studies Concentration serves the needs of students wishing to combine a traditional major in French or Spanish with a background in business, public policy and/or public relations. In addition to completing required courses in Economics, Marketing, and Accounting, students choose 21 hours of electives from a list of courses selected for their international content and taken from a variety of fields (Management, Finance, Foreign Languages, Political Science, Sociology, Mass Communications). This interdisciplinary program, coupled with a foreign language major, offers preparation for careers in international business, government or military service, and media related areas.

GENERAL STUDIES CURRICULA

The General Studies Curricula, administered by the Dean of the College of Arts and Sciences, include a two-year program of study leading to an Associate Degree and a four-year program leading to a Bachelor's Degree. Coursework is available in a broad spectrum of academic disciplines. Highly flexible programs, of interest to many students, can be developed according to individual needs.

Students interested in General Studies Curricula include persons who wish to:

1. Pursue a non-traditional degree program for personal enrichment and satisfaction.
2. Help design their own course of study in a degree program.
3. Change college majors late in their academic careers.
4. Return to college as mature students with new career interests.
5. Attend college irregularly or at night.

GENERAL STUDIES DEGREE REQUIREMENTS

Upon completion of the appropriate requirements and upon the recommendation of the Dean of the College of Arts and Sciences, a student will be awarded the Associate of General Studies or the Bachelor of General Studies degree.

SPECIAL REQUIREMENTS

1. Associate Degree
 - a. Minimum semester hours required for degree - 65
 - b. Satisfactory completion of all Freshman year requirements with a "C" (2.0) average.
 - c. Minimum "C" (2.0) grade point average required on:
 - (1) All semester hours applied to degree
 - (2) All courses in Major Thematic Concentration Group.
 - d. Students should follow the University Core in completing part A: Required General Studies courses.
2. Bachelor's Degree
 - a. Minimum semester hours required for degree-125
 - b. Satisfactory completion of all Freshman year requirements with a "C" (2.0) average. (See f. below.)
 - c. Minimum "C" (2.0) grade point average required on:
 - (1) All semester hours applied to degree
 - (2) All courses in Major Thematic Concentration Group
 - (3) All 300- and 400-level courses
 - d. Junior-Senior Courses
 - (1) 300-400-level30
 - (2) 400-level.....15
 - e. Of the 30 hours required in the Major Thematic Concentration, 12 hours must be at the Junior-Senior level.
 - f. Students should follow the University Core in completing part A: Required General Studies courses.

NOTE: Courses under "A" below may not be used to meet any other requirements of the degrees.

	ASSOCIATE DEGREE	BACHELOR'S DEGREE
A. REQUIRED GENERAL STUDIES COURSES*		
Core English		
Composition	6	6
Core Humanities		
English (Literature)	6	6
History	6	6
Core Mathematics	6	6
Core Natural/Physical Science	7	9
Core Social Science	6	6
Core Fine Arts	3	3
Kinesiology Activity	1	2

Communication Studies 101, 118, or 201	3	3
Computer Science 170 or Computer Elective		3
FRYS 101	(1)	(1)
	<u>44</u>	<u>50</u>

B. FOREIGN LANGUAGE REQUIREMENT
 Baccalaureate students pursuing major concentrations in Groups I, II, and III must complete 6 hours of one foreign language either as elective hours or as part of a concentration effective Fall 1999.

C. ELECTIVES 18

D. THEMATIC CONCENTRATION GROUPS
 Hours must be earned in the Thematic Concentration Groups as indicated:

Major Concentration	15	30
Second Concentration	6	12
Third Concentration		12
	<u>21</u>	<u>54</u>

E. UNIVERSITY CAPSTONE3

*See Arts and Sciences Core Curriculum on page 82.

GROUP 1 (ARTS AND HUMANITIES)
 Art, Dance, English, Foreign Languages, History, Humanities, Mass Communications, Music, Philosophy, Religion, Communication Studies, Theatre

GROUP 2 (NATURAL SCIENCES AND MATHEMATICS)
 Biology, Chemistry, Geology, Geoscience, Marine Science, Mathematics, Physical Science, Physics, Zoology

GROUP 3 (SOCIAL SCIENCES)
 Anthropology, Criminal Justice, Economics (100-299), Education, Geography, Political Science, Kinesiology (professional courses only), Psychology, Social Work, Sociology

GROUP 4 (BUSINESS)
 Accounting, Business, Computer Information Systems, Economics (300-499), Finance, Management, Marketing, Quantitative Methods

AACSB accreditation requirements limit College of Business Administration credits which may be applied toward graduation in General Studies Curricula to 15 semester hours for the Associate degree and 30 semester hours for the Bachelor's degree.

GROUP 5 (APPLIED SCIENCES)
 Agriculture, Agronomy, Animal Science, Atmospheric Science, Aviation, Computer Science, Construction, Dental Hygiene, Engineering, Equine Science, Family and Consumer Science, Horticulture, Library Science, Clinical Laboratory Science, Military Science, Nursing, Occupational Therapy, Pharmacy, Radiologic Technology, Speech-Language Pathology, Toxicology

DEPARTMENT OF GEOSCIENCES

Camille, Anderson, Chenoweth, Hanks, Mills, Stringer

ATMOSPHERIC SCIENCES

Freshman Year	Hrs.
Core English Composition*	6
Biology 120 ^{cnp} , 121	4
Atmospheric Sciences 101, 102, 103, 104	8
Mathematics 113 ^{cm} , 131 ^{cm}	7
Chemistry 107	3
Core Social Science*	3
FRYS 101	(1)
	<u>31</u>

Sophomore Year	Hrs.
English 322	3
Physics 207 ^{cnp} , 208 ^{cnp} , 209, 210	8
Core Humanities*	6
Atmospheric Sciences 205, 303, 304	9
Mathematics 116, 132	7
	<u>33</u>

Junior Year	Hrs.
Communication Studies 201	3
Computer Science 200	3
Atmospheric Sciences 305, 306, 307, 308, 315	11
Mathematics 301	3
Core Humanities*	3
Core Fine Arts*	3
Core Social Science*	3
Elective	3
	<u>32</u>

Senior Year	Hrs.
Atmospheric Science 401, 402, 407, 415	12
Atmospheric Science Elective	3
Electives	11
Atmospheric Sciences 360 ^{uc}	3
	<u>29</u>

Total hours for degree, 125.

*Students should see Arts and Sciences Core Curriculum section for requirements.

DEPARTMENT OF GERONTOLOGY, SOCIOLOGY, AND POLITICAL SCIENCE

Bulot, Alibeli Hale, Johnson, Owens, Sutherlin, Unter, Welch, White

POLITICAL SCIENCE

Freshman Year	Hrs.
Core English Composition*	6
Core Mathematics*	6
Core Natural/Physical Science Electives*	6
Core Fine Arts*	3
History 111 ^{ch} or 112 ^{ch}	3
Communication Studies 201	3
Political Science 101	3
Kinesiology Activities	1
FRYS 101	(1)
	<u>31</u>

Sophomore Year

Core Natural/Physical Science *	3
Core Social Science*	6
English 203 ^{ch} , 204 ^{ch} or 205 ^{ch} , 206 ^{ch}	6
History 201 ^{ch} , 202 ^{ch}	6
Political Science 201, 202	6
Minor/Electives	3
	<u>30</u>

Junior Year

Political Science 499 ^{uc}	3
English 326	3
Economics 202	3
Foreign Language	6
Political Science 470, 471	6
Minor/Electives	9
Major Requirements	3
	<u>33</u>

Senior Year

Foreign Language	6
Political Science Electives	9
Political Science 440 or 453	3
Political Science 413 or 414	3
Minor Electives	9
	<u>30</u>

Total hours for degree, 124.

*See Core Curriculum requirements in the Arts and Sciences Core Curriculum section of the catalog.

SOCIOLOGY

	Hrs.
Core English Composition*	6
Core Humanities*	9
Core Mathematics*	6
Sociology 101 or 102	3
Core Social Science*	3
Core Natural/Physical Science*	3
FRYS 101	(1)
	<u>30</u>

Sophomore Year

Core Natural/Physical Science*	6
Foreign Language	6
Communication Studies 101 or 201	3
Core Fine Arts*	3
Sociology Elective	6
Core Social Science*	3
Computer Science Elective	3
Criminal Justice 101	3
	<u>33</u>

Junior Year

Sociology Electives	12
Electives/Minor/Second Major	6-9
Social Work Elective	3
Political Science 201 and 202	6
Kinesiology Activities	2
	<u>29-32</u>

Senior Year

Sociology 499 ^{uc}	3
Sociology 436, 450, 451, Electives	18
Electives/Minor/Second Major	9
	<u>30</u>

Total hours for degree, 125.

Students should see Arts and Sciences Core Curriculum section for requirements.

DEPARTMENT OF HISTORY

Harvey, Anderson, Blackburn, Bontty, Brown, Carpenter, Chardkoff, H.P. Jones, T. Jones

HISTORY

	Hrs.
Core English Composition*	6
History 111 ^{ch} , 112 ^{ch}	6
Kinesiology Activity	1
Core Mathematics *	6
Core Natural/Physical Science (Including Lab)*	4
Core Fine Arts Elective*	3
Minor/Electives	6
FRYS 101	(1)
	<u>32</u>

Sophomore Year

English 203 ^{ch} , 204 ^{ch} or 205 ^{ch} , 206 ^{ch}	6
History 201 ^{ch} , 202 ^{ch}	6
Core Social Science*	6
Core Natural/Physical Science*	6
Minor/Electives	6
	<u>30</u>

Junior Year

University Capstone 300 ^{uc}	3
History (U.S.)	9
Foreign Language	6
Minor/Elective	3
Communication Studies 201	3
Geography 101, 102	6
	<u>30</u>

Senior Year

History Electives	6
History (non-U.S.)	9
Political Science 201, 202	6
Foreign Language	6
Minor/Electives	6
	<u>33</u>

Total hours for degree, 125.

*See Core Curriculum requirements in the Core Curriculum section of the catalog.

DEPARTMENT OF MATHEMATICS AND PHYSICS

Magoun, Anderson, Boughton, Broome, Carter, Dahl, Dib, Doke, Haneline, Harberson, Hare, Jones, Kaleem,

Maroun, Martin, Melder, Owens, Picard, Rogers, Saydam, Seeber, Smart, C. Smith, E. Smith, B. Strunk, C. Strunk

MATHEMATICS

All electives must be approved by advisor.

	Hrs.
Freshman Year	
Core English Composition*	6
Mathematics 131 ^{cm} , 132 ^{cm}	8
Core Social Science*	6
Core Fine Arts*	3
Biology 120 ^{cnp} , 121	4
Computer Science 200	3
FRYS 101	(1)
	30
Sophomore Year	
Mathematics 202, 232, 240	10
Mathematics Electives	3
Physics 207 ^{cnp} , 209, 208 ^{cnp} , 210	8
Core Humanities*	9
Computer Science 203	3
	33
Junior Year	
Mathematics 380 or 386	3
Mathematics Electives	6
University Capstone 300 ^{uc}	3
Foreign Languages	6
Free Electives	12
	30
Senior Year	
Mathematics 380 or 386	3
Mathematics Electives	3
Humanities Elective	3
Arts Elective	3
Free Electives	17
Mathematics 417 or 425	3
	32

Total hours for degree, 125.

*Students should see the Arts and Sciences Core Curriculum section for requirements

DEPARTMENT OF SOCIAL WORK

Saulsberry, M.Cappel, Melton, Sharma

The Social Work curriculum involves two components, pre-social work and social work. Pre-social work includes approximately one academic year in an accredited college or university. As pre-social work majors, students must successfully complete the following courses: English Composition (6 hours), Sociology 101 or Psychology 201 (3 hours), Math 111 or Math 110 (3 hours), and Social Work 101, 102, can apply while enrolled in SOCW 205. The Social Work major consists of approximately 4 academic semesters after admission to the Social Work Program. It is concerned with courses providing a broad liberal arts base and with social work courses emphasizing the knowledge, values, and skills needed to

prepare students for beginning generalist social work practice.

ADMISSION TO THE SOCIAL WORK MAJOR

The Social Work major offers a liberal arts base, including sociology, psychology, biology, and required social work courses in the area of human behavior and the social environment, social welfare policy and services, social research, social work practice, and field practicum. Course work requires volunteer work (30 hours per semester for two courses) and a practicum (32 hours per week for one semester). The Social Work Program has been accredited by the Council on Social Work Education (CSWE) since 1977.

Applicants for admission to the Social Work major, in addition to meeting the requirements for admission to the University, and be enrolled as a pre-social work major at the time of application, must fulfill the requirements of the pre-social work major curriculum:

- a. A grade of "C" or above in the following courses: English 101 and 102, Sociology 101 or Psychology 201, Math 111 or Math 110, Social Work 101, 102, and 205 (may be enrolled in 205).
- b. A minimum average of 2.3 in all courses required for the degree.

Application forms for admission to the Social Work major may be obtained by downloading them from the ULM website/Social Work <http://www.ulm.edu/socialwork>. Completed application forms are to be submitted to the Admissions Committee chairperson during the first four weeks of the Fall and Spring semesters. The Admissions Committee will review applications, interview applicants, and make a decision on the status of the applicants. The head of the Social Work Department will notify the students in writing of the Committee's decision. If for some reason a student is not admitted to the Social Work major, reapplication may be made the next semester. Those not admitted into the major will not be allowed to enroll in Interviewing and the Helping Relationship (SOCW 301), Practice I (SOCW 315), Practice II (SOCW 416), Field Education in Social Work (SOCW 421), or Field Education Seminar (SOCW 422).

Social Work majors are also required to apply for admission into the field practicum. An application for the practicum must be made to the Coordinator of Field Education during the first month of the Fall or Spring semesters prior to a student's enrollment in Field Education in Social Work. Forms may be obtained by downloading them from the ULM website/Social Work <http://www.ulm.edu/socialwork>. To be eligible for the practicum, students must have completed all 100- and 200-level courses, earned a grade of "C" or higher in all courses required for a major, and earned a GPA of 2.3 in all courses required for the degree. A student must observe all prerequisites in the sequential pursuance of courses leading to a baccalaureate degree in social work. Generally, enrollment in the practicum occurs during the semester prior to a student's graduation. The Coordinator of Field Education is required to make a reasonable effort

to assist a student in securing a placement. The Social Work major, however, not the University, is ultimately responsible for obtaining and retaining a placement under the direction of the Coordinator of Field Education.

Students unable to obtain an acceptable placement or to complete a practicum successfully will not be awarded the degree and are advised to change to a curriculum in which they can meet degree requirements.

RETENTION IN THE SOCIAL WORK MAJOR

Pre-Social Work and Social Work majors who earn less than a “C” in Social Work courses required for the major will be allowed to repeat courses only one time. Failure to achieve a progressive grade the second time will result in suspension from the Social Work Program for one semester. Students, classified as Social Work majors, who are suspended from the program or the University, or who resign or withdraw from the University, will have their status reviewed by the Chair of the Admissions Committee and may be required to resubmit an application for re-admission into the program.

SOCIAL WORK

	Hrs.
Freshman Year	
Core English Composition*	6
Core Mathematics*	6
Core Natural/Physical Science*	6
Sociology 101 ^{cs}	3
Communication Studies 101 or 201	3
Social Work 101, 102	6
Core Fine Arts*	3
FRYS 101	(1)
	33
Sophomore Year	
Core Humanities (English)*	6
Psychology 201 ^{cs}	3
Core Humanities (History)*	6
Core Natural/Physical Science*	3
Foreign Language	6
Social Work 205, 301	6
Computer Science Elective	3
Kinesiology Activities	1
	34
Junior Year	
English 326.....	3
Political Science 201, 202	6
Sociology 419**, 450, 451	9
Social Work 303, 305, Elective.....	9
Social Work 405	3
Psychology 401	3
	33
Senior Year	
Social Work 422 ^{uc}	3
Social Work Electives.....	6
Social Work 315, 416, 421	14
	23
Total hours for degree, 123.	

*See Core Curriculum requirements in the Arts and Sciences Core Curriculum section of the catalog.

** Sociology 300 D not applicable.

SCHOOL OF VISUAL AND PERFORMING ARTS

K. White

DIVISION OF ART

(Graphic Design, Ceramics, Drawing, Painting, Photography, or Printmaking or Sculpture)

Ratcliff, Clark, Fassett, Hayes, Jungman, Noble, Tresner

ART

	Hrs.
Freshman Year	
Art 101, 102.....	6
Art 103, 104.....	6
Art 203 or 204	3
Art 246.....	3
Core English Composition*	6
Core Humanities (History)*	3
Core Mathematics*	6
Core Natural/Physical Science*	3
FRYS 101	(1)
	36
Sophomore Year	
Art 200, 300.....	4
Art 201, 202.....	6
Art 205, 281.....	6
Art 271 or 272	3
Art Major Concentration	3
Core Humanities (History)*	3
Core Natural/Physical Science*	6
	31
Junior Year	
Art 404, 300.....	4
Art Elective/Concentration.....	12
Art 257 or 258 or 259 or 260	3
Core Social Science*	6
Core Humanities (English)*	3
	28
Senior Year	
Art 426, 429, 300.....	7
Art Electives/Concentration	15
A&S Humanities Requirement (English)*	3
Free Elective	2
University Capstone 300 ^{uc}	3
	30
Total hours for degree, 125.	
*Students should see the Arts and Sciences Core Curriculum section for requirements.	

DIVISION OF MUSIC

Clark, Anderson, Boldin, Chandler, Everett, D. Gibson, M. Gibson, Humes, Hsu, Long, Lunte, McCleery, McClung-Guillory, Mobley, Nabors, Olson, Reifinger, Rinehart, Seiler, Thompson, Vangelisti, C. White

**MUSIC
(Bachelor of Music)**

Freshman Year	Hrs.
Core English Composition*	6
Core Science Elective*	3
Core Social Science Elective*	3
Music 102, 103, 104, 105	8
Music 193	2
Music, Major Performance	4
Major Concentration	6
FRYS 101 Seminar	(1)
	32

Sophomore Year	
Core Humanities Elective*	6
Core Mathematics Electives*	6
Core Science Elective*	3
Music 202, 203, 204, 205	8
Music 273	2
Music, Major Performance	4
Major Concentration	6
	35

Junior Year

Core Humanities Electives*	3
Core Social Science Elective*	3
Music, Major Performance	4
Major Concentration	<u>20</u>
	30

Senior Year

University Capstone 300 ^{uc}	3
Core Science Elective*	3
Communication Studies 101, 102, 201, or 305 as appropriate	3
Music, Major Performance	4
Major Concentration	<u>17</u>
	30

Total hours for degree, 127

*Music majors should see Core Curriculum requirements in the College of Arts and Sciences Core Curriculum section of the catalog.

DIVISION OF THEATRE AND DANCE

Bruce, Stephens, White

COLLEGE OF BUSINESS ADMINISTRATION

RONALD L. BERRY, D.B.A., *Dean*
Administration 2-37

ACADEMIC PROGRAMS

BUSINESS PROGRAMS ACCREDITED BY AACSB INTERNATIONAL,
THE ASSOCIATION TO ADVANCE COLLEGIATE SCHOOLS OF BUSINESS

Bachelor of Business Administration (BBA)

Master of Business Administration (MBA)

Computer Science Accredited by Accreditation Board for Engineering and Technology

Construction Management Accredited by American Council for Construction Education

Bachelor of Science (BS)

BUSINESS ADMINISTRATION UNDERGRADUATE DEGREES

MAJOR	DEGREE
Accounting	BBA
Aviation	BS
Computer Information Systems	BBA
Computer Science	BS
Construction Management	BS
Economics	BBA
Entrepreneurship	BBA
Finance	BBA
General Business	BBA
Management	BBA
Marketing	BBA
Risk Management and Insurance	BBA

MINORS: AVIATION, BUSINESS ADMINISTRATION (FOR NON-BUSINESS MAJORS), ACCOUNTING, COMPUTER INFORMATION SYSTEMS, COMPUTER SCIENCE, ECONOMICS, ENTREPRENEURSHIP, FINANCE, MANAGEMENT, MARKETING, AND RISK MANAGEMENT AND INSURANCE

Faculty: Babin, Barnett, C. Berry, R. Berry, Boswell, Bray, Bruyninckx, Clow, Cole, Cook, Cooper, Corcoran, Cordova, Davidson, Davis, Dunn, Eisenstadt, Ensminger, Garza, Guerriero, Hibbets, Hodge, Kogut, Luse, Manry, McConkey, McEacharn, Melancon, Nelson, Ograk, K. Parker, M. Parker, T. Parker, Perez, Rodriguez, Roshto, Sarkar, Scott, G. Smith, L. Smith, Strickler, J. Taylor, K. Taylor, Walker, Wiedemeier, Williamson, Wood

MISSION STATEMENT

The mission of the College of Business Administration is to prepare students from Northeast Louisiana and beyond for productive careers and responsible citizenship and benefit students, business and the community through research and service.

The College offers an MBA program on-campus and abroad, but places primary emphasis on the on-campus undergraduate degree program. The undergraduate and graduate curricula, along with an active approach to learning, are intended to help both business and non-

business students develop the knowledge, skills, ethics, and attitudes needed for successful careers and a lifetime of learning in a technological and global environment.

The College emphasizes the interrelatedness of business disciplines that prepares students for both specific functional responsibilities within larger organizations and for the wide scope of responsibilities typically encountered within smaller organizations. Graduates should be able to function effectively in entry-level positions, advance to higher positions, participate in

entrepreneurial ventures, and/or pursue advanced studies.

The second commitment of the College is to create and disseminate intellectual contributions which will (1) assist in the growth and development of faculty, students, and business; (2) enhance the learning environment in business schools; and (3) contribute to economic development. The College places primary emphasis on applied scholarship, but also encourages basic research and instructional development as important parts of the intellectual mission of the College.

The third commitment of the College is to provide quality service to the business community, the profession, and the University. In particular, the College strives for state and regional distinction in activities related to entrepreneurial and small business development, and business and economic research. Service nurtures ties with the business sector, helps keep academic programs dynamic and relevant, and promotes economic development, particularly through delivery of applied knowledge to regional organizations.

GENERAL INFORMATION

The College of Business Administration offers B.B.A. degree options in nine traditional professional business fields. These programs include Accounting, Computer Information Systems, Economics, Entrepreneurship, Finance, General Business, Management, Marketing, and Risk Management and Insurance. The traditional business programs are accredited by the (AACSB) Association to Advance Collegiate Schools of Business International.

The College of Business Administration also offers B.S. Degree options in three additional professional fields. These professional programs include Aviation, Computer Science, and Construction Management. Students graduating in these professional programs will look forward to career opportunities as managers and/or professional leaders in organizations related to these specified fields. The Computer Science program is accredited by ABET (Accreditation Board for Engineering and Technology). The Construction Management program is accredited by ACCE (American Council for Construction Education).

The College serves the University by providing students majoring in the traditional business and other professional programs with the knowledge and skills needed to gain employment and advance in career opportunities specific to their degree program. The College also serves the University by providing courses needed for success to students in disciplines across campus. These service courses include accounting, business communication, business law, computer literacy, economics, and management.

ADMISSION REQUIREMENTS

Beginning freshmen and transfer students who meet general admission requirements of the University are admitted to the College of Business Administration. Students transferring from other divisions of the University and from other accredited colleges and

universities must also have an overall academic record which indicates promise of success in a business program and a cumulative grade-point average of at least a 2.0 (4.0 system) on all hours to be credited toward the degree.

Transfer credits acceptable for admission purposes shall be evaluated to determine their suitability for degree credit in the College of Business Administration. Transfer courses taken at the Freshman-Sophomore level but which are offered by the College of Business Administration at the Junior-Senior level must be validated before credit is allowed. The Dean of the College will make the final decision concerning transfer credit allowable within the curricula. A minimum of 30 hours of credit in College of Business Administration courses must be successfully completed at The University of Louisiana at Monroe in order to receive the B.B.A. degree. Economics 201, 202 and Quantitative Methods 210 cannot be counted toward meeting this requirement.

Students majoring in the traditional business programs leading to a B.B.A. degree must be formally admitted into their respective program prior to enrollment in 300/400 level business courses. To be admitted into a traditional business program, students must earn as a minimum: (1) a 2.0 grade-point average (4.0 system) on all hours to be credited toward the degree, with credit for 54 semester hours, all exclusive of developmental courses; (2) a grade of "C" in each of the following courses: English 101, English 102 or 103, Mathematics 110 or 111 or 113 and Mathematics 116; and (3) credit in Accounting 212 and 213, Computer Science 170, Economics 201 and 202 and Quantitative Methods 210. In addition, Computer Information System majors must have completed CINS 220. 300 and 400-level CINS courses are open only to junior/senior CBA majors with at least a 2.0 GPA on all hours credited toward the degree, or permission of the department head.

Students from other colleges or universities who desire to attend only during the summer may be enrolled as visiting students for that summer providing they meet general admission requirements of the University.

CURRICULUM

The curriculum for each program in the College has been carefully structured to provide students with a balance between the needs of a general education and those of a professional education. Within each curriculum, the Core Curriculum of the University is met. The following abbreviations are used to designate the University's Core Curriculum requirements:

ce	Core English Composition
ch	Core Humanities
cf	Core Fine Arts
cm	Core Mathematics
cnp	Core Natural/Physical Science
cs	Core Social Science
uc	University Capstone

The professional programs leading to a B.S. degree have developed curriculums tailored to meet the needs

of those disciplines. All students majoring in a traditional business program leading to a B.B.A. degree follow a curriculum consisting of a General Education component (57 hours), a Professional Business component (33 hours), and a Major requirements component (30 hours). Except for Computer Information Systems, all students majoring in a traditional business program follow the same curriculum during their Freshman and Sophomore year.

For each traditional business program, the General Education component of the curriculum is as follows:

General Education	Hrs.
FRESHMAN SEMINAR (FRYS)	(1)
CORE FINE ARTS	
Three hours selected from Art 109, Art 201, Art 202, Dance 301, Music 101, Music 191, Theater 191	3
ENGLISH 101 and ENGLISH 102	6
CORE HUMANITIES	9
Six hours must be taken as a sequence of two courses in either Literature or History; remaining three hours must be taken in the other discipline's alternative field (must have both U.S. and World exposure)	
English 203-204 (World), English 205-206 (U.S.) History 111-112 (World), History 201-202 (U.S.)	
COMMUNICATION STUDIES 118, 201, or 260	3
CORE MATHEMATICS	6
Six hours selected from Mathematics 110, 111 or 113; and Mathematics 116	
CORE NATURAL/PHYSICAL SCIENCE	
Six hours must be taken from an approved sequence of two courses in either biological or physical science; remaining three hours must be taken in the other area.	
Biological Sciences:	
Biology 101; 110	
Biology 120; 122	
Biology 114; 115	
Physical Sciences:	
Atmospheric Sciences 101; 102	
Chemistry 101; 102	
Chemistry 107; 108	
Geology 101; 102	
Physics 203; 204	
Physics 207; 208	
Physics 201	
Physical Science 101; 102	9
CORE SOCIAL SCIENCE	
Economics 201	3
Three hours selected from Geography 101, Geography 102, Political Science 101, Sociology 101, or Sociology 102	3
STATISTICS	
Quantitative Methods 210	3
ECONOMICS 202	3
BUSINESS 305 ^{uc}	3
ELECTIVES	
Non-Business Administration courses only	6
	57

For each traditional business program, the Professional Business component of the curriculum is as follows:

Professional Business Requirements	Hrs.
Business 101	3
Accounting 212, 213	6
Business Law 401	3
Computer Science 170	3
Finance 315	3
Management 301, 409	6
Marketing 301	3
ECON 313, FINA 404, MGMT 402, or MRKT 401 [^]	3
Business Administration Electives*	3
	33

[^]International course must be taken from course outside of major

*Business Administration electives can be selected from Accounting, Business, Business Law, Computer Information Systems, Economics, Entrepreneurship, Finance, Marketing, or Insurance classes. Non-Business Administration courses include courses in any area outside of these ten Business Administration areas.

Courses numbered 400 or above are normally taken by seniors. To be used toward the degree, minimum grades of "C" must be earned in all courses required for the major. Accounting majors must earn a minimum of a "B" in ACCT 212 and 213. Computer Information Systems majors must earn a minimum of a "C" in CSCI 170. Finance majors must earn a minimum of a "C" in FINA 315. Marketing majors must earn a minimum of a "C" in MRKT 301. Management majors must earn a minimum of a "C" in MGMT 301.

ACCOUNTING

**Accredited by AACSB International,
The Association to Advance Collegiate
Schools of Business**

Boswell, Davis, Hibbets, Hodge, McEacharn, Roshto

MISSION

The primary purpose of the Accounting Program at the University of Louisiana at Monroe is to provide a high-quality undergraduate education that furnishes individuals with the knowledge and professional skills needed for entry into and success in the accounting profession. The secondary purpose of the Accounting Program is to

contribute to the accounting profession and business community through research that improves accounting practice and through active involvement in professional, business, and community activities.

LEARNING GOALS

To enter into and succeed in the accounting profession, ULM Accounting graduates are expected to have the knowledge to be Competent Accountants, Proficient Technology Users, and Broad-based Business Decision Makers and the professional skills to be Adept Problem Solvers, Effective Communicators, and Capable Professionals.

The Bachelor of Business Administration degree in Accounting is offered for students seeking careers in the accounting profession. Successful accountants are employed in public accounting, business, government agencies, and not-for-profit organizations. Many accountants seek professional certifications such as Certified Public Accountant, Certified Management Accountant, and Certified Internal Auditor. For a major in Accounting, students must complete Accounting 307; 308; 310; 311; 320; 330; 410; 420; three-hour 400-level Accounting elective; Business Law 440.

Freshman Year	Hrs.
English 101 ^{oe}	3
English 102 ^{oe}	3
Core Social Science*	3
Mathematics 110, 111 or 113.....	3
Mathematics 116.....	3
Business 101.....	3
Core Natural/Physical Science*	6
Core Humanities*	3
Communication Studies 118, 201, or 260	3
FRYS 101	(1)
	30

Sophomore Year	Hrs.
Accounting 212, 213	6
Computer Science 170	3
Economics 201 ^{es} , 202.....	6
Core Fine Arts*	3
Core Humanities*	6
Core Natural/Physical Science*	3
Quantitative Methods 210	3
	30

Junior Year	Hrs.
Accounting 307, 308, 310, 311, 320	15
Business 305 ^{uc}	3
Finance 315	3
Management 301	3
Marketing 301	3
Econ 313, Fina 404, Mgmt 402 or Mrkt 401	3
	30

Senior Year	Hrs.
Accounting 330, 410, 420	9
Accounting Elective (400 - Level).....	3
Business Law 401, 440	6
Non-Accounting Business Elective	3
Management 409	3
Non-Business Electives	6
	30

Total hours for degree, 120.
 *See the General Education requirements under the College of Business Curriculum section.

Candidates for the Certified Public Accountants examination in Louisiana are required to have 150 semester hours of college credit.

AVIATION

Corcoran, Bruce, Davidson, J. Taylor

The Aviation curriculum provides a knowledge base and training for students pursuing careers in various phases of Aviation.

To progress satisfactorily, a student must complete all required developmental courses, plus Aviation 110 and 111, with a grade of “C” or better, before enrolling in 300- or 400-level courses. Major electives are upper-level aviation or other pre-approved courses. The curriculum also includes 11 hours of applied electives. These are program-guided electives that will benefit a student’s expected career path. Advisor approval of courses to be used for applied electives is needed.

Flight School Security

To comply with Transportation Security Administration (TSA) regulations, all non-U.S. citizens or other individuals designated by the TSA desiring to receive flight or simulator instruction must register and be approved by the TSA before instruction can begin. Contact the Aviation Department for details.

Freshman Year	Hrs.
Accounting 110	3
Aviation 101, 110, 111	9
Computer Science 170.....	3
Core English Composition*	6
Mathematics 111 ^{cm} and 114 ^{cm}	6
Communication Studies 118	3
FRYS 101	(1)
	30

Sophomore Year	Hrs.
Aviation 220, 230	6
Physical Science 101 ^{cnp} , 102 ^{cnp}	6
Core Social Science*	3
Communication Studies 260	3
Core Biological Science*	3
Core Humanities	6
Core Fine Arts*	3
	30

Junior Year

Aviation 302, 310, 317, 405	12
Core Humanities Elective*	3
Core Social Science*	3
English 322	3
Management 301, 305	6
Major Electives	3
	<u>30</u>

Senior Year

Aviation 402, 415, 430, 470	12
Business Law 401	3
Major Electives	6
Business 305 ^{uc}	3
Applied Electives	11
	<u>35</u>

Total hours for degree, 125.

*Students should see University Core Curriculum requirements on page 78.

COMPUTER INFORMATION SYSTEMS

Barnett, R. Berry, Perez, Wood

The Bachelor of Business Administration degree in Computer Information Systems prepares students to work in programming, systems analysis, and user support roles to develop and maintain organizational information systems. For a major in Computer Information Systems, students must complete CINS 220, 302, 306, 340, 350, 430, 435; 6 hours of 300-400 level CINS electives; and BUSN 412

Freshman Year	Hrs.
Core English Composition	6
Core Social Science	3
Mathematics 110 ^{cm} , 111 ^{cm} , or 113 ^{cm}	3
Mathematics 116 ^{cm}	3
Business 101	3
Core Natural/Physical Science	6
Core Humanities	3
Communication Studies 118, 201, or 260	3
FRYS 101	(1)
	<u>30</u>

Sophomore Year

Accounting 212, 213	6
CSCI 170, CINS 220	6
Economics 201 ^{cs} , 202	6
Core Fine Arts	3
Core Humanities	6
Quantitative Methods 210	3
	<u>30</u>

Junior Year

CINS 302, 306, 340, 350	12
Business 305 ^{uc}	3
Finance 315	3
Management 301	3
Marketing 301	3
Core Natural/Physical Science	3
Econ 313, Fina 404, Mgmt 402, or Mrkt 401	3
	<u>30</u>

Senior Year

CINS 430, 435	6
Business 412	3
CINS Electives (300-400 Level)	6
Business Law 401	3
Business Elective	3
Non-Business Electives	6
Management 409	3
	<u>30</u>

Total hours for degree, 120.

*See the General Education requirements under the College of Business Curriculum section.

COMPUTER SCIENCE

Cooper, Cordova, Eaton, L. Smith, K. Taylor, Wiedemeier
Electives must be approved by student's advisor.

Freshman Year

	Hrs.
Computer Science 200, 203, 226	9
Core English Composition*	6
Mathematics 113 ^{cm}	3
Core Social Science*	3
Core Humanities*	6
Core Fine Arts*	3
FRYS 101	(1)
	<u>30</u>

Sophomore Year

Computer Science 253, 273, 298, 305, 310, 326	16
Biology 120 ^{cnp} , 121 ^{cnp}	4
Mathematics 131 ^{cm1}	4
Core Humanities*	3
Core Social Science*	3
Communication Studies 201	3
	<u>33</u>

Junior Year

Computer Science 320, 412, 455	9
Computer Science Electives	6
Mathematics Elective ¹	3
Physics Elective ²	8
Mathematics 303 or Computer Science 350	3
English 322	3
	<u>32</u>

Senior Year

Computer Science 313, 411, 460, 462	12
Computer Science Elective	3
Computer Science 491 ^{uc}	3
Business 305 ^{uc}	53
Science Elective	3
Electives	6
	<u>30</u>

Total hours for degree, 125.

¹ Mathematics elective: may include MATH 132, 202, CSCI 373 or approved Mathematics elective.

² Physics elective: may include (PHYS 203 and 204; or PHYS 207 and 208), and PHYS 209 and 210 or approved Physics elective.

**SCHOOL OF CONSTRUCTION
MANAGEMENT**

Bray, Bruyninckx, Cook, Ensminger, Manry, Parker, Smith

CONSTRUCTION MANAGEMENT

Pre-registration and course adjustment advisement is mandatory. Students in provisional and regular admission status may not enroll in courses numbered 300 or above until they have completed all developmental and freshman requirements. Non-majors must have approval of the Director to schedule 300 and 400 level classes.

Freshman Year	Hrs.
Construction 101, 112, 113	6
Core English Composition***	6
Core Natural/Physical Science*	3
Mathematics 111 ^{cm} , 112 ^{cm}	6
Accounting 110	3
Core Natural/Physical Science (Biological Science)	3
Core Fine Arts***	3
FRYS 101	(1)
	<u>30</u>

Sophomore Year	
Construction 203, 204; 206, 207; 208, 209; 211, 212	12
Core Social Science**	3
Core Natural/Physical Science*	6
Communication Studies 201	3
Mathematics 116	3
Core Humanities***	6
	<u>33</u>

Junior Year	
Construction 303, 304; 305, 306; 308, 309; 318, 319; 350, 351	15
Management 301, 305	6
Insurance 205	3
Core Humanities***	3
Core Social Science**	3
Core Natural/Physical Science*	3
	<u>33</u>

Senior Year	
Construction 407, 415; 408, 409; 414; 417, 418; 430, 455	18
Construction Elective	3
Business Law 401	3
University Capstone 300 ^{uc}	3
	<u>27</u>

Total hours for degree, 123.
 *Atmospheric Sciences may not be used to satisfy the core physical science electives. Additionally, Physics 201, Descriptive Astronomy, may not be used to satisfy the core physical sciences.
 **Economics must be taken as part of the core social science electives.
 ***For other Core Curriculum requirements see page 78.

ECONOMICS

Eisenstadt, Kogut, Nelson, T. Parker, Sarkar

The Bachelor of Business Administration degree in Economics is offered for students desiring careers in economics. Economics prepares students for careers in both government and business and is an excellent preparation for advanced study in economics or law. For a major in Economics, students must complete Economics 301, 311, 312, 313, 12 hours of Economics electives, and 9 hours of Business Administration electives. Students may substitute 12 hours of an approved minor for 6 hours of Economics electives and 6 hours of Business Administration electives. Students intending to pursue graduate study in Economics should minor in Mathematics.

Freshman Year	Hrs.
English 101 ^{ce}	3
English 102 ^{ce}	3
Core Social Science*	3
Mathematics 110, 111 or 113	3
Mathematics 116	3
Business 101	3
Core Natural/Physical Science*	6
Core Humanities*	3
Communication Studies 118, 201, or 260	3
FRYS 101	(1)
	<u>30</u>

Sophomore Year	
Accounting 212, 213	6
Computer Science 170	3
Economics 201 ^{cs} , 202	6
Core Fine Arts*	3
Core Humanities*	6
Core Natural/Physical Science	3
Quantitative Methods 210	3
	<u>30</u>

Junior Year	
Business 305 ^{uc}	3
Economics 301, 311, 312, 313	12
Finance 315	3
Management 301	3
Marketing 301	3
Non-Business Electives	6
Fina 404, Mgmt 402, or Mrkt 401	3
	<u>33</u>

Senior Year	
Business Law 401	3
Economics Electives	6
Management 409	3
Economics Electives or Minor	6
Business Electives or Minor	6
Business Elective	3
	<u>27</u>

Total hours for degree, 120.
 *See the General Education requirements under the College of Business Curriculum section.

ENTREPRENEURSHIP

Dunn

The Bachelor of Business Administration in Entrepreneurship prepares students to enter the world of small business by developing an entrepreneurial spirit in students and preparing them with an in-depth knowledge of small business management. The program is specifically designed to prepare students to seek and evaluate opportunities for new ventures, to provide students with the background needed to manage young and growing companies, to instruct students on how to attract seed and growth capital, to prepare students to operate effectively in family-owned businesses, and to prepare students for a lifetime of innovation and change. For a major in entrepreneurship, students must complete Entrepreneurship 250, 351, 352, 353, 432, 433, 435, and nine hours of junior/senior business administration electives.

Freshman Year	Hrs.
English 101 ^{ce}	3
English 102 ^{ce}	3
Core Social Science*	3
Mathematics 110, 111 or 113	3
Mathematics 116.....	3
Business 101	3
Core Natural/Physical Science*	6
Core Humanities*	3
Communication Studies 118, 201, or 260	3
FRYS 101	(1)
	30

Sophomore Year	
Accounting 212, 213	6
Computer Science 170	3
Economics 201 ^{cs} , 202.....	6
Core Fine Arts*	3
Core Humanities*	6
Core Natural/Physical Science*	3
Quantitative Methods 210	3
	30

Junior Year	
Business 305 ^{uc}	3
Entrepreneurship 250, 351	6
Finance 315	3
Management 301	3
Marketing 301	3
Business Electives	6
Non-Business Elective	3
Econ 313, Fina 404, Mgmt 402, or Mrkt 401	3
	30

Senior Year	
Business Law 401.....	3
Entrepreneurship 352, 353, 432, 433, 435	15
Management 409	3
Business Electives	6
Non-Business Elective	3
	30

Total hours for degree, 120.

*See the General Education requirements under the College of Business Curriculum section.

FINANCE

Guerriero, Melancon, M. Parker

The Bachelor of Business Administration degree in Finance is offered for students desiring careers in finance or commercial banking. Finance prepares students for careers in corporate finance, commercial banking, and securities analysis. For a major in Finance, students must complete Accounting 310, 311 or Accounting electives; Economics 301 and 311; Finance 316, 401, 405, and 6 additional hours from 404, 406, and 410; Insurance 205 and 3 hours of Business Administration electives.

Freshman Year	Hrs.
English 101 ^{ce}	3
English 102 ^{ce}	3
Core Social Science*	3
Mathematics 110, 111 or 113	3
Mathematics 116	3
Business 101	3
Core Natural/Physical Science*	6
Core Humanities*	3
Communication Studies 118, 201, or 260	3
FRYS 101	(1)
	30

Sophomore Year	
Accounting 212, 213	6
Computer Science 170	3
Economics 201 ^{cs} , 202	6
Core Fine Arts*	3
Core Humanities*	6
Core Natural/Physical Science*	3
Quantitative Methods 210	3
	30

Junior Year	
Accounting 310, 311, or Accounting Electives	6
Business 305 ^{uc}	3
Economics 301, 311	6
Finance 315, 316	6
Insurance 205	3
Management 301	3
Marketing 301	3
	30

Senior Year	
Business Law 401	3
Finance 401, 405	6
Finance 404, 406, or 410	6
Management 409	3
Econ 313, Mgmt 402, or Mrkt 401	3
Business Elective	3
Non-Business Electives	6
	30

Total hours for degree, 120.

*See the General Education requirements under the College of Business Curriculum section.

GENERAL BUSINESS

Rodriguez, Scott

The Bachelor of Business Administration degree in General Business is offered for students seeking a broad background in business or seeking training for a specific industry. For a major in General Business, students must complete Computer Information Systems 220, Entrepreneurship 250, Insurance 205, or 300/400 Business Elective; Economics 321; Computer Information Systems 350; Management 305; 18 semester hours consisting of 9 semester hours of Junior/Senior level courses not otherwise required in two of the following concentrations (or other approved area): Accounting, Business Law, Computer Information Systems, Economics, Entrepreneurship, Finance, International Business, Management, Marketing, or Risk Management and Insurance. CINS 220 is approved for a concentration in Computer Information Systems; Entrepreneurship 250 is approved for a concentration in Entrepreneurship; Insurance 205 is approved for a concentration in Insurance or Business Law. A total of 9 hours may be selected from ACCT 410, ECON 313, FINA 404, MGMT 402, or MRKT 401 for a concentration in International Business. Students may use nine semester hours of coursework from a completed minor outside the CBA as one of the two required concentration areas.

Freshman Year	Hrs.
English 101 ^{ce}	3
English 102 ^{ce}	3
Core Social Science*	3
Mathematics 110, 111 or 113	3
Mathematics 116.....	3
Business 101	3
Core Natural/Physical Science*	6
Core Humanities*	3
Communication Studies 118, 201, or 260	3
FRYS 101	(1)
	30

Sophomore Year	
Accounting 212, 213	6
Computer Science 170	3
Economics 201 ^{cs} , 202.....	6
Core Fine Arts*	3
Core Humanities*	6
Core Natural/Physical Science	3
Quantitative Methods 210	3
	30

Junior Year	
CINS 220, ENTR 250, INSU 205, or 300/400 Business Elective	3
Business 305 ^{uc}	3
Computer Information Systems 350.....	3
Economics 321.....	3
Finance 315	3
Management 301, 305	6
Marketing 301	3
Major Electives	6
	30

Senior Year

Business Law 401	3
Management 409	3
Major Electives.....	12
Econ 313, Fina 404, Mgmt 402, or Mrkt 401.....	3
Business Elective	3
Non-Business Electives	6
	30

Total hours for degree, 120.

*See the General Education requirements under the College of Business Curriculum section.

MANAGEMENT

Garza, Ograk, Strickler, Walker, Williamson

The Bachelor of Business Administration degree in Management is offered for students seeking management careers in business, government, and non-profit organizations. Students must complete Management 305, 307, 309, 402, 414; Entrepreneurship 433; six hours of management electives and six hours of marketing electives for a major in management.

Freshman Year	Hrs.
English 101 ^{ce}	3
English 102 ^{ce}	3
Core Social Science*	3
Mathematics 110, 111 or 113	3
Mathematics 116	3
Business 101	3
Core Natural/Physical Science*	6
Core Humanities*.....	3
Communication Studies 118, 201, or 260	3
FRYS 101	(1)
	30

Sophomore Year	
Accounting 212, 213	6
Computer Science 170	3
Economics 201 ^{cs} , 202	6
Core Fine Arts*	3
Core Humanities*	6
Core Natural/Physical Science*	3
Quantitative Methods 210.....	3
	30

Junior Year	
Business 305 ^{uc}	3
Finance 315	3
Management 301, 305, 309, 414	12
Management Electives	6
Marketing 301	3
Non-Business Elective	3
Econ 313, Fina, 404, or Mrkt 401	3
	33

Senior Year

Business Law 401	3
Entrepreneurship 433	3
Management 307, 402, 409	9
Marketing Electives	6
Business Elective	3
Non-Business Elective	3
	<u>27</u>

Total hours for degree, 120.

*See the General Education requirements under the College of Business Curriculum section.

MARKETING

Babin, Clow, Cole, Luse, McConkey,

The Bachelor of Business Administration degree in Marketing is offered for students seeking careers in advertising, brand management, industrial marketing, consumer relations, market research, professional selling, purchasing, and retailing. Students must complete Marketing 302, 305, 308, 403, 406, 407, 409; Marketing 410 or 411; three hours of marketing electives from MRKT 304, 307, 401, 410 or 411; and Management 413 for a major in Marketing.

Freshman Year	Hrs.
English 101 ^{ce}	3
English 102 ^{ce}	3
Core Social Science*	3
Mathematics 110, 111 or 113	3
Mathematics 116	3
Business 101	3
Core Natural/Physical Science*	6
Core Humanities*	3
Communication Studies 118, 201, or 260	3
FRYS 101	(1)
	<u>30</u>

Sophomore Year	Hrs.
Accounting 212, 213	6
Computer Science 170	3
Economics 201 ^{cs} , 202	6
Core Fine Arts*	3
Core Humanities*	6
Core Natural/Physical Science*	3
Quantitative Methods 210	3
	<u>30</u>

Junior Year	Hrs.
Business 305 ^{uc}	3
Finance 315	3
Management 301	3
Marketing 301, 302, 305, 308	12
Business Elective	3
Non-Business Elective	3
Econ 313, Fina 404, or Mgmt 402	3
	<u>30</u>

Senior Year	Hrs.
Business Law 401	3
Management 409, 413	6
Marketing 403, 406, 407, 409	12
Marketing 410 or 411	3
Marketing Elective	3
Non Business Elective	3
	<u>30</u>

Total hours for degree, 120.

*See the General Education requirements under the College of Business Curriculum section.

RISK MANAGEMENT AND INSURANCE

C. Berry

The Bachelor of Business Administration degree in Risk Management and Insurance is offered for students desiring a career in insurance. The major prepares students for careers in underwriting, claims adjusting, risk management, and insurance sales. For a major in insurance, students must complete Accounting 319, Economics 301, Finance 401, Insurance 205, 307, 308, 309, 408, 311, and either Construction 101 or a Business Administration elective.

Freshman Year	Hrs.
English 101 ^{ce}	3
English 102 ^{ce}	3
Core Social Science*	3
Mathematics 110, 111 or 113	3
Mathematics 116	3
Business 101	3
Core Natural/Physical Science*	6
Core Humanities*	3
Communication Studies 118, 201, or 260	3
FRYS 101	(1)
	<u>30</u>

Sophomore Year	Hrs.
Accounting 212, 213	6
Computer Science 170	3
Economics 201 ^{cs} , 202	6
Core Fine Arts*	3
Core Humanities*	6
Core Natural/Physical Science*	3
Quantitative Methods 210	3
	<u>30</u>

Junior Year	Hrs.
Business 305 ^{uc}	3
Economics 301	3
Finance 315, 401	6
Insurance 205, 307	6
Management 301	3
Marketing 301	3
Non-Business Electives	6
	<u>30</u>

Senior Year	Hrs.
Accounting 319	3
Business Law 401	3
Insurance 308, 309, 408, and 311	12
Management 409	3
Construction 101 or Business Elective	3
Business Elective	3
Econ 313, Fina 404, Mgmt 402, or Mrkt 401	3
	<u>30</u>

Total hours for degree, 120.

*See the General Education requirements under the College of Business Curriculum section.

COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT

SANDRA M. LEMOINE, *Dean*
Strauss 255

ACADEMIC PROGRAMS

Bachelor of Arts (BA)
 Bachelor of Music Education (BME)
 Bachelor of Science (BS)
 Master of Arts (MA)
 Master of Arts in Teaching (M.A.T.)
 Master of Education (M.Ed.)
 Master of Science (MS)
 Specialist in School Psychology (SSP)
 Doctor of Education (Ed.D.)
 Doctor of Philosophy (Ph.D.)

EDUCATION UNDERGRADUATE DEGREES

DEPARTMENT	MAJOR	DEGREE	
CURRICULUM AND INSTRUCTION	Art Education (K-12)	BA	
	Biology Education (6-12)	BS	
	Chemistry Education (6-12)	BS	
	Earth Science Education (6-12)	BS	
	Elementary Education (1-5)	BS	
	English Education (6-12)	BA	
	Family and Consumer Science Education (6-12)	BS	
	French Education (K-12)	BA	
	Mathematics Education (6-12)	BS	
	Music Education - Instrumental (K-12)	BME	
	Music Education - Vocal/Instrumental (K-12)	BME	
	Music Education - Vocal (K-12)	BME	
	Social Studies Education (6-12)	BA	
	Spanish Education (K-12)	BA	
	Speech Education (6-12)	BS	
	KINESIOLOGY	Kinesiology	BS
		Concentrations:	
		Health and Physical Education (Certification)	
Community Health Education and Promotion			
Fitness and Sports Studies			
PSYCHOLOGY	Exercise Science		
	Psychology	BA	

OBJECTIVES

The College of Education and Human Development, in harmony with the objectives of the University of Louisiana at Monroe, is dedicated to preparing learning facilitators, utilizing the ULM Interactive Learning Model wherein general education, professional studies, and specialty studies interact strategically with clinical and

field experiences. Toward that end, these objectives have been adopted:

1. To prepare, at the undergraduate level, prospective teacher candidates who will be liberally educated, knowledgeable in specialized teaching fields, competent in professional understandings and methods, proficient in

assessing and improving student learning, and responsible to the moral and aesthetic obligations inherent to the school and multi-cultural community.

2. To prepare, at the graduate level, teachers and other school personnel whose competence in improving student learning shall be assured by maintenance of a proper balance between advanced subject matter and professional courses, and appropriate experiences.
3. To provide undergraduate and graduate psychology students with background and skills essential for further professional study and to offer psychology courses basic to other curricula of the University.

The College of Education and Human Development offers a broad course of study in the Departments of Educational Leadership and Counseling, Curriculum and Instruction, Kinesiology, and Psychology.

The College offers the Bachelor of Arts in Psychology; the Bachelor of Science in Elementary Education (an Early Childhood add-on plan is available); the Bachelor of Arts in Art Education, English Education, French Education, Social Studies Education, and Spanish Education; the Bachelor of Music Education in Instrumental, Vocal, or Instrumental and Vocal; the Bachelor of Science in Kinesiology, Family and Consumer Sciences, Mathematics Education, Biology Education, Chemistry Education, Earth Science Education, and Speech Education.

The Graduate School offers the Master of Arts Degree in Marriage and Family Therapy and Substance Abuse Counseling, the Master of Arts in Teaching Degree in Elementary Education (1-5), Secondary Education (6-12), Special Education Mild/Moderate (1-12), and Multiple Levels (K-12); the Master of Education Degree in Counseling, Curriculum and Instruction, Educational Leadership, Educational Technology Leadership, and Special Education; the Master of Science Degree in Psychology and Exercise Science; and the Specialist in School Psychology.

The Doctor of Philosophy degree in Marriage and Family Therapy from the University of Louisiana at Monroe prepares graduates for careers as scholars/teachers, researchers, supervisors, and senior clinicians. The Marriage and Family Therapy doctorate is a 63 credit hour (minimum), post-masters degree which integrates systemically oriented philosophy and theory, clinical practice, qualitative research and quantitative research.

The Doctor of Education degree in Curriculum and Instruction or Educational Leadership is offered through the cooperative efforts of Grambling State University, Louisiana Tech University, and the University of Louisiana at Monroe and coordinated through the Louisiana Education Consortium Governing Board. All consortium institutions will offer foundation courses and other graduate courses required in the Ed.D. Program in Curriculum and Instruction or Educational Leadership based upon faculty expertise and other institutional

resources. The Doctor of Education degree in Curriculum and Instruction and in Educational Leadership will be awarded by the institution to which the student has been admitted for doctoral study with coursework being completed on all three campuses in order to provide diverse academic experiences. A unique strength of the Louisiana Education Consortium is that the three institutions will strategically pool faculty, equipment and technology.

The Doctor of Education programs are designed for K-12 personnel, including teachers and administrators. The primary goal of the doctoral programs is the preparation of practitioner-scholars for roles in elementary, middle, and secondary school settings.

ADMISSION REQUIREMENTS

- I. Admission With Distinction
Students granted honors admission into the University will be granted immediate entry into their chosen degree programs.
- II. Provisional and Regular Admission
Students in these categories must meet the following requirements before being granted entry into their chosen degree programs:
 1. Satisfactory completion of any required developmental courses;
 2. Successful completion of English 101 and 102 or their equivalents with minimum grades of "C", or passage of a comprehensive English usage test; and
 3. Satisfactory completion of all special admission requirements of the intended major field of study.

Students in provisional and regular admission status may not enroll in courses numbered 300 or above until they have completed developmental and freshman requirements.

All transfer students must meet the above requirements for formal admission to degree status. Students must be admitted at least one semester (or summer term) prior to the semester in which they intend to receive their degree.

CORE CURRICULUM

Minimum required for all baccalaureate programs in the College of Education and Human Development include the following core of general education requirements: English - 6-12 hours; Mathematics - 6 hours; Science - 12 hours; Social Science - 6-12 hours; Arts Elective - 3 hours; Computer Literacy - 3 hours. Teacher Education candidates must complete general education requirements with minimum grades of "C" in all coursework.

COMPUTER LITERACY/ INSTRUCTIONAL TECHNOLOGY REQUIREMENT

Successful completion of Curriculum and Instruction 285, 3 hours, with a grade of "C" or better, is required in all degree programs in the College of Education and Human Development. This course meets general education requirements and requirements for the Board of Regents Certificate of Excellence.

COUNCIL FOR TEACHER EDUCATION

The development and maintenance of teacher education programs are important functions of The University of Louisiana at Monroe. The major responsibility in operating adequate programs is the particular interest of the College of Education and Human Development; however, other schools have special interests and responsibilities in the effective execution of the best possible teacher education programs.

PURPOSES OF THE COUNCIL. The general purposes of the Council for Teacher Education are:

1. To formulate and recommend policies relating to criteria considered essential to an outstanding teacher education program.
2. To develop and recommend policies relative to implementation of (a) selective recruitment, (b) selective admission and retention, (c) advisement, (d) curricula, and (e) laboratory experiences.
3. To study, encourage and facilitate co-operative development of programs for teacher preparation.
4. To review teacher education programs presented to the State Department of Education and accrediting agencies.
5. To initiate research and promote studies designed to improve teacher education.

ADMISSION TO TEACHER EDUCATION PROGRAMS

Candidates seeking a degree in a teacher education program must meet the admission requirements of the College.

Tentative admission to Teacher Education will be granted to applicants who meet general University entrance requirements.

Students with a felony conviction will not be admitted to Teacher Education.

Application for admission to a teacher education program should be made during the first semester following the completion of 30 semester hours and before completing 90 hours. Transfer students from other Colleges of the University and other colleges and universities who have completed thirty or more applicable semester hours should make formal application during their second semester of enrollment. Conditional

admission may be granted transfer students by the Dean of the College of Education and Human Development during the first semester if requirements are obviously met.

Requirements for admission and retention are:

1. Completion of not more than 90 semester hours, with a cumulative grade point average of 2.5 on a 4.0 scale, last grade counted.
2. Presentation of passing scores on Academic Skills tests in Reading, Writing, and Math (PRAXIS I) or a composite of 22 on the ACT. Information concerning registration for the exams can be obtained through the ULM Testing Services.
3. Completion of all developmental courses as required.
4. Successful completion of English 101 and 102 or their equivalents with minimum grades of "C".
5. Successful completion of required six hour Math sequence appropriate to degree program with grades of "C" or better.
6. Completion of 20 clock hours of preliminary laboratory experiences as directed in Educational Foundations 201 or KINS 211.
7. Speech and Hearing Screening
8. Recommendation of advisor.

Applications for admission to a teacher education program are reviewed by the College's Admission Committee. This Committee is composed of faculty members and students whose function is to screen applications for admission.

Students whose status at the completion of 90 semester hours of university work is such that admission requirements are not met will be denied further enrollment in teacher education.

Application forms for admission to teacher education may be obtained in the Center for Teacher Certification.

PROFESSIONAL COURSES

Any student in the University may enroll in Educational Foundations 201, the introductory course. Courses must be taken in the sophomore, junior, and senior sequence; materials and methods courses should be scheduled immediately prior to student teaching. A student must meet requirements for admission to a teacher education program to schedule:

Curriculum 302, 303, 304, 306, 307, 308, 309, 311, 312, 313, 314, 338, 375A, 375B, 386, 402, 431, 450, 456, 483

Educational Foundations 401

Elementary Education 340, 341, 342, 419, 420, 421, 441, 442, 443, 451, 452, 453, 461, 462, 463, 464, 465, 466, 483A, 483B

Family and Consumer Sciences 313, 407, 421

Music Education 455, 456

Reading 321, 322, 418A, 418B, 419

Special Education 463, 464, 465

PROGRAM OF FIELD EXPERIENCES

All persons pursuing a degree in teacher education at The University of Louisiana at Monroe are required to be involved in a comprehensive program of structured, systematic field experiences, beginning with visitation and observation during enrollment in Educational Foundations 201 or KINS 211 and progressing to intense involvement in the senior year.

ULM teacher candidates are required to present documentation of liability insurance coverage when enrolled in a course that requires observation and/or teaching at a school site.

STUDENT TEACHING

Supervised student teaching is offered in selected schools in the Ouachita Parish and Monroe City School Systems. Other area systems are involved as needed.

Education majors schedule student teaching on an all-day basis, five days per week, for one semester. Candidates are allowed to register for no more than 15 hours during the semester in which they are student teaching. Special permission to enroll in more than 15 hours must be granted by the Dean.

An application for student teaching should be filed with the Director of Field Experiences during the first four weeks of the semester prior to the semester during which student teaching is to be scheduled. Prerequisites for student teaching are:

1. Admission to teacher education.
2. Passing scores on all parts of PRAXIS I (or a composite of 22 on the ACT) and PRAXIS II (effective August 1, 2002).
3. Completion of a minimum of 90 semester hours of acceptable university work in a teacher education curriculum.
4. A minimum average of 2.5 in the major and minor fields.
5. No grade below "C" in any course counting toward the completion of the teacher education degree.
6. An average of 2.5 on all work counting toward the completion of the teacher education degree.
7. Completion of appropriate materials and methods course(s).
8. Completion of twenty (20) hours observation with assigned classroom supervisor.

Student teaching application forms are submitted to the Director of Field Experiences for approval or disapproval.

REQUIREMENTS FOR GRADUATION FROM A TEACHER EDUCATION PROGRAM

The candidate must meet all eligibility requirements for teacher certification in Louisiana, which include a 2.5

grade point average on all work toward the degree, grades of "C" or better in all courses counting toward the degree, and passing scores on all applicable portions of PRAXIS I (or a composite of 22 on the ACT) and PRAXIS II, effective Fall 1997. The candidate must also file an application for graduation with the Department Head at the beginning of the semester in which he/she plans to graduate.

REQUIREMENTS FOR LOUISIANA TEACHING CERTIFICATION

The candidate must meet all eligibility requirements for Louisiana teacher certification before graduation. In order for a person to be granted a Louisiana Teaching Certificate upon graduation, there must be an overall grade point average of 2.5 on a 4.0 scale in all work to be credited toward a degree from an approved teacher education program. There must be no grade below C in any professional education course, psychology course, the teaching major or minor, or in specialized academic education, or general education courses.

Certification requirements are specified by the State Legislature and/or the Board for Elementary & Secondary Education and coordinated by the State Department of Education. These requirements are subject to periodic modification which may not occur at times appropriate for inclusion in the annual publication of the University catalog. It is the responsibility of the students to make periodic checks for such changes with their academic advisers and/or department heads.

In order to be certified to teach in Louisiana, a person must present passing scores on all required parts of PRAXIS I (or a composite of 22 on the ACT) and II as prescribed by the State Department of Education.

PRAXIS

Persons expecting to earn the Bachelor's degree from The University of Louisiana at Monroe in a teaching field must meet all eligibility requirements for Louisiana teacher certification, which include passing all parts of PRAXIS I (or a composite of 22 on the ACT) and PRAXIS II. The examinations are administered on the ULM campus. Teacher candidates should confer with their advisers in preparation for the examinations. Teacher candidates may take the PRAXIS Practice Exam for the PRAXIS I in the ULM LRC.

To be admitted to student teaching, candidates must meet all other requirements for Louisiana certification, and submit satisfactory scores on the PRAXIS I (or a composite of 22 on the ACT) and II. Please request original scores to be sent to ULM each time the tests are taken to expedite the application for certification. Additional information regarding PRAXIS requirements is available in the Center for Teacher Certification. Registration forms are available in the Testing Center. Study guides are on reserve in the library.

DEPARTMENT OF CURRICULUM AND INSTRUCTION

Flowers-Gibson, Beutner, Clark, Creekmore, Ellington, Jones, Powell, Pugh, Ricks, Schween, Sivakumaran, Troxclair, Washington

The Department of Curriculum and Instruction offers a variety of curricula leading to certification in teacher education.

Teacher candidates enrolled in the Bachelor of Science in Elementary Education program prepare to teach students in grades 1-5. With a 12 credit hour add-on plan for Early Childhood, Elementary Education candidates may prepare to teach Kindergarten and Nursery School (PK) in addition to grades 1-5.

Secondary education majors may opt for one of ten different primary teaching areas. Primary teaching areas within the Bachelor of Arts include Art Education, English Education, French Education, Social Studies Education, and Spanish Education. Primary teaching areas within the Bachelor of Science include Family and Consumer Sciences, Mathematics Education, Biology, Chemistry, Earth Science, and Speech Education.

Secondary education majors also select a secondary focus area and complete credit hours that apply toward a second teaching field. To be certified in a second teaching field that is a core academic area (biology, chemistry, earth science, English, French, mathematics, social studies, and Spanish) requires 30 credit hours or the Praxis content specialty area exam(s). To be certified in a second teaching field that is not a core academic area (computer science, journalism, and speech) requires 21 credit hours or the Praxis content specialty exam(s).

BACHELOR OF SCIENCE IN ELEMENTARY EDUCATION

(Grades 1-5)

Freshman Year	Hrs.
Core English Composition*	6
Mathematics 111 ^{cm} , 250 ^{cm}	6
Science 101 ^{cnp} , 102 ^{cnp}	6
History 111 ^{ch} , 202 ^{ch}	6
Curriculum and Instruction 285	3
Educational Foundations 201	3
Kinesiology 201	1
FRYS 101	(1)
	<u>31</u>
Sophomore Year	
English 205 ^{ch} , 206 ^{ch}	6
Mathematics 251, 252	6
Science 103 ^{cnp} , 104 ^{cnp}	6
Psychology 201 ^{cs} , 203 ^{cs}	6
Art 411 ^{cf} or Music Education 335 ^{cf}	3
History 305	3
Geography 103	3
Geology 110	3
	<u>36</u>

Junior Year

Elementary Education 340, 341	12
Kinesiology 442	3
Special Education 202	3
Psychology 301 ^{uc**}	3
Curriculum and Instruction 375B, 450	6
Curriculum and Instruction 386	1
Mathematics 350	3
	<u>31</u>

Senior Year

Elementary Education 342, 442, 443, 441	12
Educational Foundations 401	3
Kinesiology 333	3
Elementary Education 461, 463	10
	<u>28</u>

Total hours for degree, 126.

*See Core Curriculum requirements in the Core Curriculum section (pages 78 and 105).

**Must be taken in Fall Semester.

Early Childhood Add-on Plan

Candidates who major in Elementary Education may take twelve additional hours of course work in Early Childhood Education to meet certification requirements for teaching Kindergarten and Nursery School. The courses are ELED 451, 452, 453, and 483B.

BACHELOR OF MUSIC EDUCATION - INSTRUMENTAL

(Grades K-12)

Freshman Year	Hrs.
Core English Composition*	6
Mathematics 110 ^{cm} or 111 ^{cm}	3
Core Mathematics*	3
Science 101 ^{cnp}	3
Music 102, 103, 104, 105, 115, 116, 193	12
Music 319	1
Music, Major Performance	4
Music 324, 328 or 423 or 426 or 427	2
FRYS 101 Seminar	(1)
	<u>34</u>
Sophomore Year	
English 205	3
History 111 ^{ch}	3
History 202 ^{ch}	3
Educational Foundations 201	3
Psychology 201	3
Curriculum and Instruction 285	3
Music 202, 203, 204, 205, 215, 216	10
Music Education 322	3
Major Performance	4
Music 324, 328 or 423 or 426 or 427	2
	<u>37</u>

Junior Year

Science 102, 104	6
Psychology 203	3
Music 311, 315, 317, 479	5
Music 273, 474, 491, 492	10
Music Education 424	3
Music Performance	4
Music 324, 328 or 423 or 426 or 427	2
2 of the following: Music 477, 478 or 481	4
	<hr/>
	37

Senior Year

Curriculum 386	1
Kinesiology 201	1
Psychology 205, 301 ^{uc}	6
Reading 419, 418A or 418B	3
Music 313	1
Major Performance	2
Music Education 454	1
Music Education 455	9
Music 324 or 423 or 427	1
	<hr/>
	25

Total hours for degree, 133.

**BACHELOR OF MUSIC EDUCATION-VOCAL
(Grades K-12)**

Freshman Year

Hrs.

Core English Composition*	6
Mathematics 110 ^{cm} or 111 ^{cm}	3
Core Mathematics*	3
Science 101 ^{cnp}	3
Music 102, 103, 104, 105, 115, 116, 193	12
Music 141	4
Music 330 or 429 or 433	2
Curriculum and Instruction 285	3
FRYS 101 Seminar	(1)
	<hr/>
	36

Sophomore Year

English 205	3
History 111 ^{ch}	3
History 202 ^{ch}	3
Educational Foundations 201	3
Psychology 201	3
Music 202, 203, 204, 205, 215, 216	10
Music Education 322	3
Music 241, 313, and 315 or 317	6
Music 330 or 429 or 433	2
	<hr/>
	36

Junior Year

Science 102, 104	6
Psychology 203	3
Music 122, 222, 332, 341, 476	11
Music 273, 474, 491, 492	10
2 of the following: 477, 478, 481	4
Music 330 or 429 or 433	2
	<hr/>
	36

Senior Year

Curriculum 386	1
Kinesiology 201	1
Psychology 205, 301 ^{uc}	6
Reading 419, 418A, or 418B	3
Music 319	1
Music Education 454	1
Music Education 455	9
Music 441	2
	<hr/>
	24

Total hours for degree, 132

**BACHELOR OF MUSIC EDUCATION -
VOCAL/INSTRUMENTAL
(Grades K-12)**

Freshman Year

Hrs.

Core English Composition*	6
Mathematics 110 ^{cm} or 111 ^{cm}	3
Core Mathematics*	3
Science 101 ^{cnp}	3
Music 102, 103, 104, 105, 115, 116, 193	10
Music 141, 319	3
Music, Major Performance	4
Music 324, 330, 426, 427, 429, or 433	3
FRYS 101 Seminar	(1)
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	35

Sophomore Year

English 205	3
History 111 ^{ch} , 202 ^{ch}	6
Educational Foundations 201	3
Psychology 201	3
Music 202, 203, 204, 205, 215, 216	10
Major Performance	4
Music Education 322	3
Music 141, 241	4
Music 324, 423, 426, 429, or 433	2
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	38

Junior Year

Curriculum and Instruction 285	3
Science 102, 104	6
Psychology 203	3
Music 315, 317	2
Music 273, 474, 491, 492	10
Music 324, 423, 426, 427, 429, or 433	2
2 of the following: Music 477, 478, 481	4
Music Education 424	3
Music Performance	4
	<hr/>
	37

Senior Year

Curriculum 386	1
Kinseiology 201	1
Psychology 205, 301	6
Reading 419, 418A, or 418B	3
Music 122, 241, 313, 319, 322, 341, and 476 or 479	10
Music 324, 330, 423, 426, 429, or 433	3
Music Education 222, 332	4
Major Performance	2
<hr/>	30

Senior 3

Music 341	2
Music Education 454	1
Music Education 455	9
<hr/>	12

Total hours for degree, 152

BACHELOR OF ARTS IN ART EDUCATION

(Grades K-12)

Freshman Year

Hrs.

Core English Composition*	6
MATH 110 ^{cm} or 111 ^{cm} , 112 ^{cm}	6
SCIE 101 ^{cnp}	3
Art 101 ^{ca} , 102	6
Curriculum 285	3
Educational Foundation 201	3
Kinesiology 201	1
Psychology 201 ^{cs}	3
FRYS 101	(1)
<hr/>	31

Sophomore Year

ENGL 205 ^{ch}	3
SCIE 102 ^{cnp} , 104 ^{cnp}	6
PSYC 203 ^{cs}	3
Art 103, 104, 203, 271	12
HIST 111 ^{ch} , 202 ^{ch}	6
<hr/>	30

Junior Year

Art 201, 202, 205, 241, 418,	15
Curriculum 303	3
Educational Foundation 401	3
Psychology 301 ^{uc} **	3
Curriculum 375A	3
Curriculum 386	1
Psychology 205	3
<hr/>	31

Senior Year

Curriculum 456	9
Curriculum 483	3
Reading 419, 418A, or 418B	3
Art 257 or 258 or 259	3
Art 401 or 451 or 471	3
Art 404, 411, 412, 429	12
<hr/>	33

Total hours for degree, 125.

**BACHELOR OF ARTS IN ENGLISH
EDUCATION**

(Grades 6-12)

Freshman Year

Hrs.

Core English Composition*	6
Mathematics 110 ^{cm} or 111 ^{cm}	3
Core Mathematics*	3
Core Natural/Physical Science (3 hrs. Biological)*	6
Secondary Focus Courses	6
Curriculum and Instruction 285	3
Foreign Language Elective	3
Educational Foundations 201	3
FRYS 101	(1)
<hr/>	33

Sophomore Year

English 201, 202	6
English 205 ^{ch} or 206 ^{ch}	3
History 111 ^{ch} , 202 ^{ch}	6
Core Science Elective*	3
Music 191 ^{cf} or Art 109 ^{cf} or Theatre 191 ^{cf}	3
Secondary Focus Courses	6
Psychology 201 ^{cs} , 205 ^{cs}	6
<hr/>	33

Junior Year

English 325, 426, 481, 478 or 479, 437 or 438	15
Curriculum and Instruction 375A, 303, 302	9
Curriculum and Instruction 386	1
Psychology 301 ^{uc}	3
Secondary Focus Courses	6
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Senior Year

English 482 or 483	3
Reading 418A	3
Curriculum and Instruction 304, 483	6
Curriculum and Instruction 456	9
Secondary Focus Course	3
<hr/>	24

Total hours for degree, 124.

*See Core Curriculum requirements in the Core Curriculum section (pages 78 and 105).

Total hours for degree, 124.

**BACHELOR OF ARTS IN FRENCH
EDUCATION**

(Grades K-12)

Freshman Year

Hrs.

Core English Composition*	6
Mathematics 110 ^{cm} or 111 ^{cm}	3
Core Mathematics*	3
Science 101	3
French 105 (same as 101, 102)	6
Curriculum and Instruction 285	3
Educational Foundations 201	3
Psychology 201	3
Kinesiology 201	1
FRYS 101	(1)
<hr/>	31

Sophomore Year

Science 102, 104	6
History 111 ^{ch} , 202 ^{ch}	6
Music 191 ^{cf} or Art 109 ^{cf} or Theatre 191 ^{cf}	3
Psychology 201 ^{cs} , 203	6
French 205 (same as 201, 202)	6
French 231, 312	6
English 205	3
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	36

Junior Year

French 325	3
French 302, 324, 325, 474	12
Educational Foundations 401	3
Psychology 301 ^{uc}	3
Curriculum and Instruction 375A, 303	6
Curriculum and Instruction 386	1
Elementary Education 341	6
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	34

Senior Year

French 403, 415, 475	9
Reading 419, 418A, or 418B	3
Curriculum and Instruction 456	9
Curriculum and Instruction 483A	3
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	24

Total hours for degree, 125.

*See Core Curriculum requirements in the Core Curriculum section (pages 78 and 105).

BACHELOR OF ARTS IN SOCIAL STUDIES EDUCATION

(Grades 6-12)

Freshman Year	Hrs.
Core English Composition*	6
Mathematics 110 ^{cm} or 111 ^{cm}	3
Core Mathematics *	3
Core Natural/Physical Science* (3 hrs Biological).....	6
Geography 101 ^{cs} , Sociology 101	6
Curriculum and Instruction 285	3
Educational Foundations 201	3
FRYS 101	(1)
	<hr/>
	30

Sophomore Year

History 111 ^{ch} , 112 ^{ch} , 201 ^{ch}	9
Core Natural/Physical Science*	3
Music 191 ^{cf} or Art 109 ^{cf} or Theatre 191 ^{cf}	3
Geography 102	3
English Literature Elective	3
Geography 301, Geography 411 or History 439	6
Psychology 201 ^{cs} , 205 ^{cs}	6
Economics 201	3
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	36

Junior Year

Political Science 201, 202	6
Curriculum and Instruction 375A, 303, 302	9
Curriculum and Instruction 386	1
Psychology 301 ^{uc}	3
Sociology 203.....	3
Economics 202	3
History 202	3
Political Science 414 or History 450.....	3
History 408	3
	<hr/>
	34

Senior Year

History 305	3
Reading 418A.....	3
Curriculum and Instruction 304, 483	6
Curriculum and Instruction 456	9
Political Science 413 or History 408	3
	<hr/>
	24

Total hours for degree, 124.

*See Core Curriculum requirements in the Core Curriculum section (pages 78 and 105).

BACHELOR OF ARTS IN SPANISH EDUCATION

(Grades K-12)

Freshman Year	Hrs.
Core English Composition*	6
Mathematics 110 ^{cm} or 111 ^{cm}	3
Core Mathematics*	3
Curriculum and Instruction 285	3
Science 101	3
Spanish 105 (same as 101, 102)	6
Educational Foundations 201	3
Psychology 201	3
Kinesiology 201	1
FRYS 101	(1)
	<hr/>
	31

Sophomore Year

Science 102, 104	6
History 111 ^{ch} , 202 ^{ch}	6
Music 191 ^{cf} or Art 109 ^{cf} or Theatre 191 ^{cf}	3
Psychology 203 ^{cs} , 205	6
Spanish 205 (same as 201, 202)	6
Spanish 231,311	6
English 205.....	3
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	36

Junior Year

Spanish 405, 474	6
Spanish 312 or 314	3
Spanish 301, 307, 308, 309, or 408	6
Educational Foundations 401.....	3
Curriculum and Instruction 303, 375A	6
Curriculum and Instruction 386	1
Psychology 301 ^{uc}	3
Elementary Education 341	6
	<hr/>
	34

Senior Year

Reading 419, 418A, or 418B	3
Curriculum and Instruction 456	9
Curriculum and Instruction 483A	3
Spanish 313, 405, 475	9
	24

Total hours for degree, 125.

*See Core Curriculum requirements in the Core Curriculum section (pages 78 and 105).

**BACHELOR OF SCIENCE IN
SPEECH EDUCATION**

(Grades 6-12)

Freshman Year

	Hrs.
Core English Composition*	6
Mathematics 110 ^{cm} or 111 ^{cm}	3
Core Mathematics*	3
Biology 101 ^{enp} , 110 ^{enp}	6
Communication Studies 101, 118	6
Curriculum and Instruction 285	3
Theatre 110, 221	5
Educational Foundations 201	3
FRYS 101	(1)
	35

Sophomore Year

History 111 ^{ch} , 202 ^{ch}	6
Core Natural/Physical Science*	3
Communication Studies Elective	3
Theatre 111	2
Mass Communications 201	3
Psychology 201 ^{cs} , 205 ^{cs}	6
Secondary Focus Courses	9
English 203 ^{ch} , 204 ^{ch} , 205 ^{ch} , or 206 ^{ch}	3
	35

Junior Year

Secondary Focus Courses	6
Psychology 301 ^{uc}	3
Communication Studies 305, 311	6
Speech-Language Pathology 113	3
Curriculum and Instruction 375A, 303, 302	9
Curriculum and Instruction 386	1
Theatre 425	3
	31

Senior Year

Secondary Focus Courses	6
Curriculum and Instruction 304, 483	6
Curriculum and Instruction 456	9
Reading 418A	3
	24

Total hours for degree, 125.

*See Core Curriculum requirements in the Core Curriculum section (pages 78 and 105).

**BACHELOR OF SCIENCE IN BIOLOGY
EDUCATION**

(Grades 6-12)

Freshman Year

	Hrs.
Core English Composition*	6
Mathematics 110 ^{cm} or 111 ^{cm}	3
Mathematics 112 ^{cm}	3
Biology 120 ^{enp} , 121	4
Biology 122 ^{enp} , 123	4
Secondary Focus Course	3
Curriculum and Instruction 285	3
Chemistry 107 ^{cs} , 109	4
Educational Foundations 201	3
FRYS 101	(1)
	33

Sophomore Year

History 111 ^{ch} , 202 ^{ch}	6
Biology 204, 205	4
Biology 208, 209	4
Biology 214, 215	4
Music 191 ^{cf} or Art 109 ^{cf} or Theatre 191 ^{cf}	3
English 205 ^{ch}	3
Secondary Focus Course	3
Psychology 201 ^{cs} , 205 ^{cs}	6
	33

Junior Year

Biology 220	3
Biology 303, 304	4
Biology 305, 306	4
Curriculum and Instruction 375A, 303, 302	9
Curriculum and Instruction 386	1
Psychology 301 ^{uc}	3
Secondary Focus Courses	9
	33

Senior Year

Curriculum and Instruction 304, 483	6
Curriculum and Instruction 456	9
Reading 418A	3
Secondary Focus Courses	6
	24

Total hours for degree, 123.

*See Core Curriculum requirements in the Core Curriculum section (pages 78 and 105).

**BACHELOR OF SCIENCE IN CHEMISTRY
EDUCATION**

(Grades 6-12)

Freshman Year

	Hrs.
Core English Composition*	6
Mathematics 110 ^{cm} or 111 ^{cm} , 112 ^{cm}	6
Biology 120 ^{enp} , 121	4
Secondary Focus Course	3
Curriculum and Instruction 285	3
Chemistry 107 ^{enp} , 108, 109 ^{enp} , 110	8
Educational Foundations 201	3
FRYS 101	(1)
	33

Sophomore Year

History 111 ^{ch} , 202 ^{ch}	6
Chemistry 230, 231	4
Chemistry 232, 233	4
Music 191 ^{cf} or Art 109 ^{cf} or Theatre 191 ^{cf}	3
English 205 ^{ch}	3
Secondary Focus Courses	6
Psychology 201 ^{cs} , 205 ^{cs}	6
	<hr/>
	32

Junior Year

Chemistry 310	4
Chemistry 240, 241	5
Chemistry 350	3
Curriculum and Instruction 375A, 303, 302	9
Curriculum and Instruction 386	1
Psychology 301 ^{uc}	3
Secondary Focus Courses	6
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	31

Senior Year

Curriculum and Instruction 304, 483	6
Curriculum and Instruction 456	9
Reading 418A.....	3
Chemistry 352	3
Secondary Focus Courses	6
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	27

Total hours for degree, 123.

*See Core Curriculum requirements in the Core Curriculum section (pages 78 and 105).

BACHELOR OF SCIENCE IN EARTH SCIENCE EDUCATION

(Grades 6-12)

Freshman Year

	Hrs.
Core English Composition*	6
Mathematics 110 ^{cm} or 111 ^{cm}	3
Mathematics 112 ^{cm}	3
Biology 120 ^{enp} , 121	4
Secondary Focus Course	3
Curriculum and Instruction 285	3
Geology 101 ^{enp} , 102 ^{enp} , 103 ^{enp} , 104 ^{enp}	8
Educational Foundations 201	3
FRYS 101	(1)
	<hr/>
	33

Sophomore Year

History 111 ^{ch} , 202 ^{ch}	6
Geology 211, 213	4
Geology 220, 221	4
Atmospheric Sciences 101 ^{enp}	3
Music 191 ^{cf} or Art 109 ^{cf} or Theatre 191 ^{cf}	3
English 205 ^{ch}	3
Secondary Focus Courses	6
Psychology 201 ^{cs} , 205 ^{cs}	6
	<hr/>
	35

Junior Year

Geology 280, 418, 309	9
Geology Elective	3
Curriculum and Instruction 375A, 303, 302	9
Curriculum and Instruction 386	1
Psychology 301 ^{uc}	3
Secondary Focus Courses	6
	<hr/>
	31

Senior Year

Curriculum and Instruction 304, 483	6
Curriculum and Instruction 456	9
Reading 418A.....	3
Secondary Focus Courses	6
	<hr/>
	24

Total hours for degree, 123.

*See Core Curriculum requirements in the Core Curriculum section (pages 78 and 105).

BACHELOR OF SCIENCE IN FAMILY AND CONSUMER SCIENCE EDUCATION

(Grades 6-12)

Freshman Year

	Hrs.
Core English Composition*	6
Mathematics 110 ^{cm} or 111 ^{cm}	3
Core Mathematics 112 ^{cm}	3
Biology 120 ^{enp} , 122 ^{enp}	6
Curriculum and Instruction 285	3
Family and Consumer Sciences 104, 105.....	6
Educational Foundations 201	3
FRYS 101	(1)
	<hr/>
	30

Sophomore Year

Core History 111 ^{ch} , 202 ^{ch}	6
Chemistry 107	3
Music 191 ^{cf} or Art 109 ^{cf} or Theatre 191 ^{cf}	3
English 205 ^{ch}	3
Family and Consumer Sciences 115, 116.....	3
Family and Consumer Sciences 221, 117, 206	9
Psychology 201 ^{cs}	3
Secondary Focus Courses	6
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	36

Junior Year

Family and Consumer Sciences 311, 312	3
Family and Consumer Sciences 317, 404	5
Curriculum and Instruction 375A, 303, 302	9
Curriculum and Instruction 386	1
Psychology 301 ^{uc}	3
Psychology 205 ^{cs}	3
Secondary Focus Courses	9
Family and Consumer Sciences 212	3
	<hr/>
	36

Senior Year

Curriculum and Instruction 304, 483	6
Curriculum and Instruction 456	9
Reading 418A	3
Family and Consumer Sciences 207.....	3
Secondary Focus Courses	6
	27

Total hours for degree, 129.

*See Core Curriculum requirements in the Core Curriculum section (pages 78 and 105).

BACHELOR OF SCIENCE IN MATHEMATICS EDUCATION

(Grades 6-12)

Freshman Year

Hrs.

Core English Composition*	6
Mathematics 113 ^{cm} , 131 ^{cm}	7
Physics 203 ^{cnp} , 209	4
Physics 204 ^{cnp} , 210	4
Curriculum and Instruction 285	3
History 111 ^{ch} , 202 ^{ch}	6
Educational Foundations 201	3
FRYS 101	(1)
	33

Sophomore Year

Mathematics 132, 232	8
Mathematics 202	3
Biology 120 ^{cnp} , 121	4
Music 191 ^{cf} or Art 109 ^{cf} or Theatre 191 ^{cf}	3
English 205 ^{ch}	3
Secondary Focus Courses	6
Psychology 201 ^{cs} , 205 ^{cs}	6
	33

Junior Year

Mathematics 240, 303, 307	9
Computer Science 200.....	3
Curriculum and Instruction 375A, 303, 302	9
Curriculum and Instruction 386	1
Psychology 301 ^{uc}	3
Secondary Focus Courses	9
	34

Senior Year

Mathematics 386	3
Curriculum and Instruction 304, 483	6
Curriculum and Instruction 456	9
Reading 418A	3
Secondary Focus Courses	6
	27

Total hours for degree, 127.

*See Core Curriculum requirements in the Core Curriculum section (pages 78 and 105).

DEPARTMENT OF KINESIOLOGY

Campbell, Church, Clark, Colvin, Coyne, Doherty, Lemoine, L. Thomas, R. Williamson

The Department of Kinesiology offers an undergraduate professional teacher education concentration in health and physical education, and non-certification concentrations in exercise science, exercise science/pre-physical therapy emphasis (EXPT) community health education and promotion, and fitness and sports studies. Coursework for these areas is listed in the Courses of Instruction section of this catalog. For information on graduate programs in the Department of Kinesiology, contact the Director of Graduate Studies and Research, the University of Louisiana at Monroe.

Students expecting to earn the Bachelor's degree in Kinesiology with a concentration in teaching in the health and physical education area must meet all eligibility requirements for initial licensure in Louisiana prior to student teaching and submit scores on PRAXIS I and II.

Exercise Science pre-physical therapy tract graduates are required to take the ACSM Health Fitness Instructor (HFI) Examination.

Exercise Science (EXSC) students are required to take either the ACSM certified Personal Trainer (CPT) Examination or the NSCA Certified Strength and Conditioning Specialist Examination (CSCS), as determined by their advisor.

Fitness and Sports Studies students (FSS) are required to take either the ACSM certified Personal Trainer (CPT) examination or the NSCA Certified Personal Trainer (CPT) examination, as determined by their advisor.

Kinesiology majors must make a "C" or better in all Kinesiology courses counting towards their degree.

KINESIOLOGY

Concentrations include: Health and Physical Education (Certification), Exercise Science, Community Health Education and Promotion, and Fitness and Sports Studies.

Freshman Year

Hrs.

Core English Composition	6
Core Mathematics 110 ^{cm} or 111 ^{cm} and 112 ^{cm} , 116 ^{cm} or 118 ^{cm}	6
Core Natural/Physical Science Electives*	8
Core Social Science*	3
KINS 201, 211, 221, 241	9
FRYS 101	(1)
	32

Sophomore Year

KINS 321, 365	6
Core Natural/Physical Science Elective*	3
Computer Elective	3
Core Social Science Electives*	6
Core Humanities Electives*	6
Area of Concentration	9
	33

Junior Year

KINS 408, 411, 417, 432	12
Core Humanities Elective*	3
Core Fine Arts Elective*	3
Area of Concentration	15
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	33

Senior Year

KINS 437	3
Area of Concentration	22
University Capstone 300 ^{uc}	3
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	28

Total hours for degree, 125.

*Kinesiology majors should see Core Curriculum requirements in the Core Curriculum sections of the catalog on pages 78 and 105.

The Health and Physical Education Certification Concentration

prepares students to teach K-12 health and physical education by providing coursework and experiences in the area of health and physical education. Required for a major in Kinesiology with a concentration in Health and Physical Education (Certification): KINS 202, 306, 319, 333, 334, 335, 355, 403, 431, 438; CURR 375A, 456; READ 418A, and PSYC 205. Total of 75 semester hours.

The Exercise Science Concentration prepares students for careers in the clinical/preventive settings including cardiac rehabilitation, physical therapy, hospital-based wellness programs, as well as advanced study in exercise science. Required for a major in Kinesiology with a concentration in Exercise Science: KINS 305, 318, 402, 438, 441, 435; CHEM 102, 103, 104; PSCI 101, 102, 103, 104; FCSC 207; NURS 280; CMST 201; MGMT 301; PSYC 439 - Total of 75 semester hours.

Exercise Science/Physical Therapy students who are applying to physical therapy schools in Louisiana and most physical therapy schools in the southern states must meet the following academic requirements: KINS 305, 318, 402, 438, 441, 435; PSYC 439 - Total of 75 semester hours. It is also suggested that students take an additional six hours (ENGL 321 and CMST 201) to meet physical therapy program general requirements.

The Community Health Education and Promotion Concentration

prepares students with a background in courses and field experiences that qualify them for entry level positions in community health. Required for a major in Kinesiology with a concentration in Community Health Education and Promotion: KINS 322, 441, 442, 443, 444, 445, 446, 447; SPAN 101; FCSC 207; ACCT 212; ADED 410; CMST 426; and CURR 470 - Total of 75 semester hours.

The Fitness and Sports Studies Concentration prepares students for leadership roles in fitness and sports. Required for a major in Kinesiology with a concentration in Fitness and Sports Studies: KINS 248 or 249, 305, 317, 318, 319, 320, 333, 335, 402, 413, 419, 435, 438 and 2 hours of coaching courses; CMST 201; and MGMT 301 - Total of 75 semester hours.

DEPARTMENT OF PSYCHOLOGY

Williamson, Cottingham, Hutto, Keiser, Lewis, Low, McCown, McGahan, Palmer, Stevens

The Department of Psychology offers an undergraduate curriculum in psychology which provides a basic arts and sciences education including courses in all major content areas of psychology. The program is designed primarily to provide students with background and skills essential for further professional or graduate study in psychology. Students who select to major in psychology do not have a minor field option.

PSYCHOLOGY

Freshman Year **Hrs.**

Core English Composition ¹	6
Core Mathematics ¹	6
Core Natural Science (Biology above 110) ¹	3
Biology Lab.....	1
Core Physical Science ¹	3
Core Social Science (Group I) ¹	3
Kinesiology Activities.....	2
Communication Studies 101 or 118 or 201	3
Psychology 201	3
FRYS 1011	(1)
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	30

Sophomore Year

Core Fine Arts ¹	3
Core Humanities (Sequence) ¹	6
Core Social Science (Group II) ¹	3
Core Natural Science (Biology above 110) ¹	3
Biology Lab.....	1
Kinesiology Activities.....	2
Biology 226.....	3
General Electives ²	6
Psychology 203 or 278.....	3
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	30

Junior Year

Core Humanities (Alternative) ¹	3
Computer Science 170.....	3
General Electives ²	9
Psychology 303, 339, 400, 407, 439	15
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	30

Senior Year

General Electives ²	9
Psychology 499 ^{uc}	3
Psychology (5 of 11) ³	15
Psychology 411	3
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	30

Total hours for degree, 120.

¹ Psychology majors should see Core Curriculum requirements in the ULM Common Core Curriculum section of the catalog.

² At least nine hours of general electives must be taken from courses numbered 300 and above.

³ Choose five courses from: Psychology 315, 316, 319, 325, 401, 402, 403, 404, 406, 450, 451.

COLLEGE OF HEALTH SCIENCES

DENNY G. RYMAN, Dean
Sugar 151

ACADEMIC PROGRAMS

Associate of Science (AS)
Bachelor of Science (BS)
Master of Science (MS)

HEALTH SCIENCES UNDERGRADUATE DEGREES

ACADEMIC UNIT	MAJOR	DEGREE
Department of Clinical Laboratory Science	Clinical Laboratory Science	BS
Department of Dental Hygiene	Dental Hygiene	BS
Department of Health Studies	Health Studies	BS
	Health Studies Pre-Professional Option	
	Health Studies Healthcare Management/Marketing Option	
	Online Healthcare Management/Marketing Option	
Department of Occupational Therapy	Occupational Therapy Assistant	AS
Department of Radiologic Technology	Radiologic Technology	BS
Department of Speech-Language Pathology	Speech-Language Pathology	BS
School of Nursing	Nursing	BS

*Please consult the University of Louisiana at Monroe Catalog of Graduate and Professional Programs for information pertaining to the College's graduate degree programs.

MISSION STATEMENT

The mission of the College of Health Sciences is to educate practitioners to meet the diverse health care needs of the citizens of Louisiana and beyond. The College, as an academic unit of the University, embraces the educational philosophy of the University and fulfills the purpose of specialized professional education by offering organized programs of study in clinical laboratory sciences, dental hygiene, health studies, nursing, occupational therapy assistant, radiologic technology and speech language pathology with opportunities to work in interdisciplinary teams. In addition, the College provides continuing education to meet the needs of health care providers in northeast Louisiana, provides professional service to the community, and promotes the development of each profession through scholarly activity.

GENERAL INFORMATION

The College of Health Sciences includes one health profession school and six independent allied health

departments offering a total of seven undergraduate programs.

ADMISSIONS

Admission criteria for the professional programs in the College of Health Sciences are included in the following sections describing each program. Note that prior criminal conviction may have a bearing on admission decisions for students applying to the various professional programs within the College of Health Sciences.

CORE CURRICULUM

All majors in baccalaureate curricula having pre-professional and professional segments within the College of Health Sciences complete a 42-hour general education core curriculum consisting of English, 6 hours; Mathematics, 6 hours; Natural Sciences, 9 hours; Fine Arts, 3 hours; Humanities, 9 hours; and Social Sciences, 6 hours; FRYs (1); and University Capstone, 3 hours.

DEPARTMENT OF CLINICAL LABORATORY SCIENCE

Wisenor, Chapman, Ramsey

GENERAL INFORMATION

Clinical laboratory scientists (medical technologists) provide 70-80% of the objective data used to make clinical decisions by the clinical analyses they perform and evaluate. Clinical laboratory scientists may pursue diverse career paths including those in hospital laboratories, clinics, research, public health, reference laboratories, forensic laboratories, and educational institutions.

The Clinical Laboratory Science (CLS) curriculum consists of two segments - pre-clinical laboratory science (PCLS) and professional clinical laboratory science (CLSC). The PCLS segment includes six academic semesters, or the equivalent, in an accredited college or university. No grade below a "C" may be transferred from another college or university.

The CLSC segment consists of one calendar year (37 semester hours) of professional course work in a medical center laboratory that is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). Medical center programs that are affiliated with ULM include Lake Charles Memorial Medical Center, Lake Charles, LA; Rapides Regional Medical Center, Alexandria, LA; Scott and White Hospital, Temple, TX; St. Francis Medical Center, Monroe, LA; St. Vincent's Medical Center, Jacksonville, FL; and Overton Brooks Veterans Affairs Medical Center, Shreveport, LA.

MISSION STATEMENT

The Clinical Laboratory Science Department at ULM is committed to providing northeast Louisiana and the region beyond with competent, ethical graduates who will help to meet the needs of a community and the nation, both of which have a critical shortage for these professionals with an increasing vacancy rate.

ADMISSION TO PRE-CLINICAL LABORATORY SCIENCE

Applicants for admission to the pre-professional curriculum (PCLS) must meet the general admission requirements for admission to the University. Applications are submitted to the University Admissions Office.

ADMISSION TO THE PROFESSIONAL CLINICAL LABORATORY SCIENCE PROGRAM

Applicants for admission to the professional program must complete the requirements of the PCLS curriculum

with a minimum cumulative grade point average of 2.7 and no grade below a "C" in a science, math, or PCLS course. In addition, applicants must pass a psychomotor evaluation and be recommended by ULM CLS faculty.

Students who meet the criteria listed above may apply to affiliated clinical programs. Applications should be submitted to the program directors at the affiliated sites by the end of the semester prior to the final semester in PCLS. This is usually the first semester of the junior year.

Application forms for admission into the professional program may be obtained from the Office of Clinical Laboratory Science. The department head of CLS will assist students with the application process.

Acceptance into the affiliated program is determined by the selection committee of each site. These selection committees base their decisions on both academic and non-academic criteria, according to their individual policies. Since there are a limited number of available clinical positions, students are selected on a competitive basis and may not be selected even after meeting all of the requirements.

Students who are not selected for admission are counseled by CLS faculty concerning ways to improve their chances of acceptance into future classes and/or alternative career paths. Students who are selected into a professional program are advised by the CLS department head concerning registration and graduation procedures. The student must comply with all University and clinical affiliate policies. Students must maintain a grade of "C" or better in all clinical courses. The student is responsible for making living arrangements for the clinical education phase of the program.

After completing the professional program, the student is awarded the B.S. degree and may become certified as a CLS(NCA) and/or MT(ASCP) by taking a national certification examination.

PRE-CLINICAL LABORATORY SCIENCE

Freshman Year	Hrs.
Core English Composition	6
Chemistry 107, 108, 109, 110	8
Mathematics 110 or 111; 116.....	6
Biology 120, 121.....	4
Core Humanities.....	3
Core Fine Arts	3
Clinical Laboratory Science 101	2
FRYS 101	(1)
	<u>32</u>

Sophomore Year	
Core Humanities.....	6
Core Social Sciences	6
Chemistry 230, 231	4
Biology 214, 215, 305, 306	8
Biology 220, 226.....	6
	<u>30</u>

Junior Year

Clinical Laboratory Science 3011
 Clinical Laboratory Science 320, 3214
 Clinical Laboratory Science 324, 325, 326 7
 Clinical Laboratory Science 322, 327, 328.....7
 Clinical Laboratory Science 340.....3
 Clinical Laboratory Science 430.....4
 26

CLINICAL LABORATORY SCIENCE

Senior Year

Clinical Laboratory Science 460, 461, 462, 463, 464,
 465, 466, 467, 468, 469, 470, 471, 472,
 473, 474, 475, 47637

Total hours for degree, 125.

REGISTERED TECHNOLOGIST/TECHNICIAN EDUCATION PLAN

The Clinical Laboratory Science curriculum provides an opportunity for NCA or ASCP certified technologists/technicians to be admitted into the baccalaureate degree program. Certified clinical laboratory technologists/technicians may be awarded up to 30 semester hours credit. The total hours for the degree is 125 semester hours. Up to 30 hours of CLT courses can be transferred toward the degree. For further information contact the department head of Clinical Laboratory Science. A minimum of 31 hours must be completed through ULM to earn the degree.

DEPARTMENT OF DENTAL HYGIENE

Jarrell, Chaney, Richardson, Whorton

Bachelor of Science

The Dental Hygiene curriculum is composed of two segments, pre-dental hygiene and professional dental hygiene. Pre-dental hygiene is the segment comprising four academic semesters, or the equivalent, in an accredited college or university. It is concerned with instruction in general education and the basic physical and biological sciences to prepare the student for professional dental hygiene. The professional program in dental hygiene consists of four academic semesters, one summer session, or the equivalent, after admission to the professional program in dental hygiene. It is concerned with instruction in professional dental hygiene courses to prepare the student for the professional practice of dental hygiene.

Off campus clinical activities are required of each student. Students are financially responsible for these activities.

MISSION STATEMENT

The Department of Dental Hygiene, an educational section of the College of Health Sciences, derives its

purposes and functions from the mission statement of the University of Louisiana at Monroe. Our primary purpose is to provide quality education to all dental hygiene students, without discrimination, while recognizing and respecting the dignity of each individual. To fulfill this purpose, we are committed to providing this education by promoting scholarly activity in dental hygiene theory and practice. We are committed to contributing to the oral health needs of the community by providing high quality care in a cost efficient manner. We promote the educational growth and development of each individual through lifelong learning.

ADMISSION TO PRE-DENTAL HYGIENE

Applicants for admission to the Pre-Dental Hygiene curriculum must meet the general admission requirements for admission to the University. Applications are to be submitted to the University Admissions Office.

ADMISSION TO THE DENTAL HYGIENE CURRICULUM

The Dental Hygiene curriculum offers clinical instruction in its educational program as required by the Commission on Dental Accreditation of the American Dental Association. Admissions are determined annually based upon the availability of clinical facilities. Questions regarding out-of-state residents should be directed to the Dental Hygiene Office.

Applicants for admission to the professional program in the Dental Hygiene curriculum, in addition to meeting the requirements for admission to the University, must meet the following requirements: 1) An earned 2.5 uncorrected grade point average, or above, in all previous course work at all higher institutions of attendance, 2) A minimum of 35 hours Pre-Dental Hygiene pre-requisites prior to application on March 1, 3) A minimum of 14 hours Pre-Dental Hygiene prerequisite science hours (includes Math and Nutrition) prior to application on March 1. 4) An official copy of The American College Test (ACT) and 5) submission of official transcripts from all colleges and universities attended. Grades earned in remedial and/or developmental courses will not be included in determining the grade point average. Additionally, international students must submit a satisfactory score on The Test of English as a Foreign Language (TOEFL) examination. Due to the utilization of objective criteria in processing applications, attainment of minimum requirements in the Pre-Dental Hygiene Curriculum does not necessarily guarantee admission to the professional Dental Hygiene program. Students accepted into the professional Dental Hygiene Program are required to fulfill the immunization requirements of the ULM Student Health Services.

Application forms for admission to the professional program in the Dental Hygiene curriculum may be obtained from the department head for Dental Hygiene. Completed forms are to be submitted to the department head for Dental Hygiene by March 1 of the year the student seeks admission for the fall semester. Applications will be reviewed by the Admissions and Academic Standards Committee. The Dean of the College of Health Sciences will take final action on the

Committee's recommendation. Students who do not meet minimum requirements on the day of registration will not be permitted to register in the Dental Hygiene Curriculum. Course work required for the professional program will be based on the catalog in effect at the time of admission to the professional program.

Degree Completion Program

The degree completion program builds upon the knowledge obtained at the associate degree level with additional courses in liberal arts, science, psychology, education and upper division courses in Dental Hygiene. The program is designed to prepare students to meet the challenge of the changing health care delivery system, to develop expertise in clinical and classroom education, and to establish a foundation for graduate study.

ADMISSION TO THE DEGREE COMPLETION PROGRAM

This program is designed for hygienists who have completed an associate degree program and desire to continue their education toward a baccalaureate degree. Basic requirements and credentials for admission are :

- 1) Graduation from an accredited dental hygiene program with a minimum of a 2.5 average;
- 2) Successful completion of the Dental Hygiene National Board Examination;
- 3) Complete college transcripts;
- 4) Application for admission to The University of Louisiana at Monroe and an application to the Dental Hygiene Program;
- 5) Catalog descriptions of courses taken at previous colleges;
- 6) Three reference letters (including one from the director of the Dental Hygiene program attended, one from a clinical instructor, and if applicable, one from a dentist employer; and an
- 7) Interview with the Admissions and Academic Standards Committee.

Following acceptance, an individual curriculum will be developed for each student depending upon: 1) the college courses completed previously, 2) the time lapse since the associate degree was awarded, and 3) current clinical experience. A minimum of 30 hours in attendance at the University of Louisiana at Monroe is required.

RETENTION IN THE DENTAL HYGIENE CURRICULUM

Failure of a student to maintain a cumulative grade-point average of 2.0 at the end of each semester in all professional dental hygiene courses will result in dismissal from the professional Dental Hygiene curriculum.

READMISSION TO THE DENTAL HYGIENE CURRICULUM

Students who are suspended or who have resigned from the professional Dental Hygiene curriculum must

apply through the Dental Hygiene Admissions and Academic Standards Committee for readmission. This committee will determine the individual coursework to be taken by the readmitted student.

PRE-DENTAL HYGIENE

	Hrs.
Freshman Year	
Core English Composition*	6
Chemistry 101 ^{enp} , 102 ^{enp}	6
Biology 114 ^{enp} , 115 ^{enp} , 116, 117	8
Mathematics 110 ^{cm} or 111 ^{cm} , 116 ^{cm}	6
Sociology 101 ^{cs}	3
Psychology 201 ^{cs}	3
FRYS 101	(1)
	32
Sophomore Year	
Core Humanities Electives*	9
Core Fine Arts*	3
Biology 214, 215	4
Communication Studies 101 or 201	3
Communication Studies 118, or 260, or 426	3
Family and Consumer Science 207	3
	25

DENTAL HYGIENE

	Hrs.
Junior Year	
Dental Hygiene 318, 319, 320, 321, 322, 323, 324, 325, 326, 327	21
Nursing 280	3
Nursing 430 ^{uc}	3
Social Work 403 or 408	3
	30
Summer Session First Term	
Dental Hygiene 414, 415, 416, 417	7
	7
Senior Year	
Dental Hygiene 419, 420, 421, 422, 424, 426, 427, 428, 429, 431, 433, 434	31
	31

Total hours for degree, 125.

*Students should see the Core Curriculum requirements on pages 78 and 116.

DEPARTMENT OF HEALTH STUDIES

Dolecheck, Griswold, Matusiak

BACHELOR OF SCIENCE IN HEALTH STUDIES (BSHS)

MISSION STATEMENT

The vision of the Health Studies major is to provide an innovative model of undergraduate education at ULM. The major is committed to researching the evolving trends in the healthcare industry and the corresponding needs of

Louisiana's healthcare workforce. Our mission is to prepare graduates with a firm foundation in health science education that will support entry into mid-level managerial positions in the healthcare industry or to enter graduate education in a health-related field. Our purpose is to produce highly competent, ethical, caring health professionals who can effect change for the better in the healthcare industry. Our goal is to use the most effective teaching imaginable and establish a student-centered learning environment where undergraduates can expand their knowledge and skills.

GENERAL INFORMATION

Students who seek admission to ULM must meet general admission requirements for admission to the University. Applications to ULM are submitted to the University Admissions Office. Students entering the BSHS degree program with transfer credit must request a transcript review from the department to determine what coursework will be credited to the degree plan. A minimum of 31 hours of credit in the BSHS degree program must be successfully completed at ULM in order to receive the B.S. degree.

- Students majoring in the Health Studies program must meet these requirements to progress toward degree completion. A grade of "C" or better is required for all HLST courses, core ENGL, core Math, core Natural Sciences, ASHC 200, ENGL 321, ECON 201, FINA 315, MGMT 301 and MGMT 305.
- A minimum 2.75 cumulative grade-point average in all HLST courses is required for progression to HLST practicum II in the student's senior year.
- A grade of "D" in required courses is non-progressive; the course must be repeated with a minimum grade of "C" before a student can progress to the next sequential course.
- All HLST courses must be taken at ULM. Students are expected to meet certain academic requirements in addition to the above requirements prior to HLST 403 Practicum II placement.
- Declared a major in BSHS.
- Completion of 90 credits in the BSHS curriculum.
- Completion of 50% of HLST courses.
- Good standing with the University.
- Minimum overall GPA of 2.0.
- A minimum G.P.A of 2.75 in all HLST courses.
- Application and approval for progression to the HLST 403.
- Fulfilled immunization requirements.

Students can select from a variety of classes at ULM that will serve as Health Studies electives. Potential HS electives are listed on Flightpath for student convenience. Electives must be completed at the 300 or 400 level or approved by the academic advisor.

BSHS DEGREE PROGRAM

The DHS offers a BSHS degree either through in-class attendance or online. The undergraduate program offers on-campus education with two options while the online offering is limited to the Healthcare Management/Marketing (HSMM) option only:

- Health Studies Pre-Professional Health Studies (HSPP) Option: This option is for those students who plan to seek admission to post-baccalaureate graduate programs such as occupational therapy (OT) other health-related graduate schools. The Pre-Professional Health Studies option can be customized to include necessary requirements for admission to health professions graduate programs.
- Health Studies Healthcare Management/Marketing (HSMM) Option: This option is for those students who desire a terminal undergraduate degree for mid-level managerial employment in healthcare. This option incorporates the same core health studies courses as the Pre-Professional Health Studies Option and includes additional management and marketing courses.
- BSHS Online Healthcare Management/Marketing (HSME) Option: Non-traditional students may earn a BSHS degree 100% online following the Health Care Management/Marketing degree plan option beginning fall 2008. Students must meet specific admission requirements to be accepted into the BSHS online degree program. These requirements include:
 - 1) Meet general admission requirements for admission to ULM.
 - 2) Meet requirements for freshman level English and Math.
 - 3) Must have three years post high school/work experience.
- HSPP, HSMM and HSME options have adequate elective credits to allow students to design a course of study in an area of their interest (e.g. a minor in Psychology, Gerontology, Finance, Business Administration, etc.). Hence, students can focus their degree in a specialized field of study, still keeping healthcare marketing/management or pre-professional health studies as the major concentration.
- On-campus and online students should consult with their Health Studies (HS) academic advisors to assure that courses are taken in a logical sequence. The HS academic advisors will also guide students toward appropriate electives that will enhance their career options.

HEALTH STUDIES PROGRAM CURRICULUM

Students in the BSHS Program complete specific courses in the Pre-Professional Health Studies or Healthcare Management/Marketing option according to a

planned and structured program of study. Students fulfill both core degree requirements and major/professional curriculum requirements in a logical sequence. The sequence is intended to facilitate success in the overall degree requirements.

The core curriculum in the first two years is designed to provide students with a foundation in the humanities, mathematics, and sciences. During the second two years, the Pre-Professional Health Studies and Healthcare Management/Marketing options provide for a broad focus on business basics, healthcare delivery system, cultural diversity, ethics and leadership in healthcare.

OPTION: PRE-PROFESSIONAL HEALTH STUDIES DEGREE PLAN

Freshman Year	Hrs.
<u>First Semester</u>	
English 101 ^{oe}	3
Mathematics 110 or 111.....	3
Psychology 201.....	3
Biology 120, 121.....	4
Core Humanities.....	3
FRYS 101.....	(1)
	16
<u>Second Semester</u>	
English 102 ^{oe}	3
Core Fine Arts.....	3
Chemistry 107, 109.....	4
Biology 114, 116.....	4
Mathematics 112.....	3
	17
Sophomore Year	
<u>First Semester</u>	
Biology 115, 117.....	4
Physics 203, 209.....	4
Mathematics 116.....	3
Psychology 278.....	3
Sociology 101 or 102.....	3
	17
<u>Second Semester</u>	
Health Studies 201.....	1
Allied Health Science 200.....	2
Health Studies 202.....	3
Psychology 401.....	3
Biology 228.....	3
Core Humanities.....	3
	15
Junior Year	
<u>First Semester</u>	
Biology 240, 241.....	4
Core Humanities.....	3
Health Studies 302.....	3
English 321.....	3
*Guided Electives.....	2
	15

<u>Second Semester</u>	
Health Studies 301, 303, 304.....	7
Communication Studies 426.....	3
*Guided Electives.....	6
	16

Senior Year

<u>First Semester</u>	
Allied Health Science 430A.....	1
Nursing 415.....	3
Health Studies 403.....	3
Kinesiology 201.....	1
Biology 425, 426.....	4
*Guided Electives.....	3
	15

<u>Second Semester</u>	
Health Studies 401, 405.....	5
*Guided Electives.....	9
	14

*Guided Electives: select from courses that strengthen career options in Pre-Professional Health Studies.
Total Hours 125

OPTION: HEALTHCARE MANAGEMENT/MARKETING DEGREE PLAN

Freshman Year	Hrs.
<u>First Semester</u>	
English 101 ^{oe}	3
Mathematics 110 or 111.....	3
Psychology 201.....	3
Biology 114, 116.....	4
Core Humanities.....	3
FRYS 101.....	(1)
	16
<u>Second Semester</u>	
English 102 ^{oe}	3
Core Fine Arts.....	3
Chemistry 107, 109.....	4
Biology 115, 117.....	4
Mathematics 112.....	3
	17

Sophomore Year

<u>First Semester</u>	
Core Humanities.....	3
Mathematics 116.....	3
Accounting 110.....	3
Economics 201.....	3
Sociology 101 or 102.....	3
	15

<u>Second Semester</u>	
Health Studies 201.....	1
Core Humanities.....	3
Allied Health Science 200.....	2
Health Studies 202.....	3
Insurance 205.....	3
Biology 228.....	3
	15

Junior Year	Hrs.
<u>First Semester</u>	
Anthropology 207	3
Health Studies 302	3
Management 301	3
Marketing 301	3
English 321 or Business 305	3
	15
<u>Second Semester</u>	
Health Studies 301, 303, 304	7
Management 305	3
Gerontology 226	3
Finance 315	3
	16
Senior Year	
<u>First Semester</u>	
Management 307	3
Allied Health Science 430A	1
Nursing 415	3
Health Studies 403, 406	6
Kinesiology 201	1
*Guided Electives	3
	17
<u>Second Semester</u>	
Health Studies 401, 402, 405	8
*Guided Electives	7
	15

*Guided Electives: select from courses that strengthen career options in Healthcare Management/Marketing.
Total Hours 125

DEPARTMENT OF OCCUPATIONAL THERAPY

Eichhorn, Barton, Calk, Jones, Murphy

OCCUPATIONAL THERAPY ASSISTANT Associate of Science

The Occupational Therapy Assistant Program is divided into two segments, pre-occupational therapy assistant (POTA) and occupational therapy assistant (OCTA), including Level II Fieldwork not to exceed twenty-four weeks in approved clinical settings scheduled and coordinated by The University of Louisiana at Monroe.

The Occupational Therapy Assistant Program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE), of the American Occupational Therapy Association, P.O. Box 31220, Bethesda, MD 20824-1220, (301) 652-2682. Graduates of the program will be eligible to sit for the national certification examination for the Occupational Therapy Assistant administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this examination, the individual will be a Certified Occupational Therapy Assistant (COTA). Many states require licensure in order to practice; however, the majority of state licenses are usually based in part on the results of the NBCOT Certification Examination. A felony conviction may affect a

graduate's ability to sit for the NBCOT certification examination or attain state licensure; therefore, if you are concerned about an issue, the status of this must be determined prior to the application to the professional portion of the program through the state licensing board and NBCOT.

ADMISSION TO PRE-OCCUPATIONAL THERAPY ASSISTANT (POTA)

Beginning freshmen who seek admission to the first segment of the Occupational Therapy Assistant Program (POTA) must meet the general admission requirements for admission to the University. Applications to ULM are submitted to the University Admissions Office. Students transferring from other divisions of the University and from other accredited colleges and universities should additionally have an overall academic record which indicates potential for success in an Occupational Therapy Assistant Program. Advising each semester is required. Students must come to the OT office to have advising or developmental flags removed. Students entering the program with transfer credit must request a transcript review from the department to determine what coursework will be credited to the degree plan.

A grade of "C" or better is required for all occupational therapy assistant coursework contributing to the Associate of Science Degree. Completion of the pre-professional segment of the Occupational Therapy Assistant Program (POTA) requirements does not guarantee admission to the professional segment of the Occupational Therapy Assistant Program (OCTA).

Admission into the professional segment of the Occupational Therapy Assistant Program (OCTA) is on a competitive basis with enrollment determined annually based on the availability of resources of the Occupational Therapy Department.

ADMISSION TO OCCUPATIONAL THERAPY ASSISTANT PROGRAM

Applicants for admission to the professional segment of the Occupational Therapy Assistant Program (OCTA) must complete the following minimum criteria by the end of the spring semester that application is made: 1) possess a minimum, uncorrected cumulative grade point average of 2.500 on a 4.000 scale in all previous coursework attempted at higher institutions of attendance and a minimum 2.500 uncorrected grade point average in all hours toward the OTA degree; 2) completion of 30 [32] hours of required pre-professional coursework in the Occupational Therapy Assistant Program with a grade of "C" or better (see course descriptions for prerequisites). These hours must include Biology 226 and Psychology 278. NOTE: It is strongly recommended that all 33 [35] pre-professional hours be completed by the end of the spring semester of application to the professional program. However, students may apply with 30 [32] of the required credits completed with a grade of "C" or better. Credit hours in [brackets] reflect numbers for students who are required to take the 5 credit Math 110 instead of the 3 credit Math 111.

OCCUPATIONAL THERAPY ASSISTANT

Freshman Year/Year 1	Hrs.
English 101 ^{ce} , 102 ^{ce}	6
Mathematics 110 or 111, 116.....	6
Psychology 201, 278.....	6
Biology 226.....	3
Sociology 101, 226.....	6
Fine Arts Elective.....	3
Science Elective.....	3
FRYS 101.....	(1)
	<hr/>
	33

Sophomore Year/Year 2	
Occupational Therapy 106, 115, 200, 201, 204, 205, 208, 210, 222, 225, 226, 228, 229, 232, 242, 245, 260, 261.....	39
Communication Studies 118.....	3
	<hr/>
	42

Total hours for degree: 75

DEPARTMENT OF RADIOLOGIC TECHNOLOGY

Allen, Bennett, Davis, McNeil, Peters

The Radiologic Technology curriculum is composed of two segments, pre-radiologic technology and professional radiologic technology. Pre-radiologic technology is the segment comprising four academic semesters, or the equivalent, in an accredited college or university. It is concerned with instruction in general education and the basic physical and biological sciences to prepare the student for professional Radiologic Technology. The professional program in radiologic technology consists of four academic semesters plus two summer sessions between the junior and senior years, or the equivalent, after admission to the professional program in Radiologic Technology. It is concerned with instruction in professional Radiologic Technology and related courses to prepare the student for the professional practice of radiologic technology.

Off-campus clinical activities are required of each student. Students are financially responsible for these activities.

ADMISSION TO PRE-RADIOLOGIC TECHNOLOGY

Applicants for admission to the Pre-Radiologic Technology curriculum must meet the general admission requirements for admission to the University. Applications are to be submitted to the University Admissions Office.

ADMISSION TO THE PROFESSIONAL PROGRAM IN RADIOLOGIC TECHNOLOGY

The professional program in Radiologic Technology is taught in conjunction with the clinical facilities at local medical centers. Admissions are determined annually

Criteria and procedures for application to the professional segment of the Occupational Therapy Assistant Program are available at the University of Louisiana at Monroe Occupational Therapy web site and through the Occupational Therapy Department office. Completed applications are to be submitted to the Occupational Admissions Committee by April 1 for consideration for entry into the Occupational Therapy Assistant Program the following Summer II semester (OCTA). Questions regarding out-of-state candidates should be directed to the OT office.

Applications will be reviewed by the Occupational Therapy Admissions Committee.

The department head will notify each applicant regarding admission status.

Students accepted into the OCTA program are required to fulfill the immunization requirements of the ULM Student Health Center. Once accepted into the second segment of the Occupational Therapy Assistant Program, the student has one academic year to successfully complete the didactic coursework of the program. A student who fails to do so will be required to appear before the University of Louisiana at Monroe Occupational Therapy Academic Performance Committee for a hearing to determine continuation in the program.

To progress in the Occupational Therapy Assistant Program, a student must complete all required didactic occupational therapy courses with a grade of "C" or better in one academic year. A cumulative 2.500 on a 4.00 scale is required for continued enrollment. The student must observe all prerequisites in the sequential pursuance of courses leading to an Associate of Science Degree as an Occupational Therapy Assistant. All OCTA professional courses must be taken at ULM. Students who fail to successfully meet all OCTA requirements (due to not meeting competency or based on grade) will be dismissed from the program. Students may request to appear before the Academic Performance Committee to determine continuation in the program. Before going on Level II Fieldwork clinical affiliations, students must have a minimum cumulative grade point average of at least 2.500 (uncorrected). The Academic Performance Committee has the right and responsibility to impose sanctions on a student who is not in compliance with ethical, professional behavior, or patient welfare guidelines of the program after following due process guidelines of the program. Sanctions can include dismissal from a course with a grade of "F" and may result in permanent dismissal from the program. The Occupational Therapy Academic Performance committee will determine the re-application status of any student who does not successfully complete the program. Students will receive a grade of either "CR" or "F" on Level II Fieldwork experiences.

A student who does not receive a grade of "CR" on any Level II Fieldwork placement shall be dismissed from the program. A dismissal may be appealed before the Occupational Therapy Academic Performance Committee to determine if repeated or additional coursework could justify readmission. All cases before the O.T. Academic Performance Committee will be reviewed on an individual basis. Students must complete all Level II Fieldwork requirements within 18 months following the completion of occupational therapy content courses.

based upon the availability of clinical positions. Preference is extended to Louisiana residents and/or ULM scholarship recipients.

Applicants for admission to the professional program in Radiologic Technology, in addition to meeting the requirements for admission to the University, must meet the requirements of the Pre-Radiologic Technology curriculum and must have earned a minimum uncorrected cumulative grade point average of at least a 2.5 on a 4.00 scale in all previous course work at all higher institutions of attendance, possess a minimum corrected grade point average of 2.7 on a 4.00 scale in all required pre-professional Radiologic Technology courses (excluding developmental courses), and possess a grade of "C" or better in all required mathematics, natural science and Radiologic Technology courses. Due to utilization of objective criteria in processing applications, attainment of minimum requirements in the Pre-Radiologic Technology curriculum does not guarantee admission to the professional Radiologic Technology Program. Applicants are also required to submit results from the department approved entrance test.

Application forms for admission to the professional program of Radiologic Technology may be obtained from the department head for Radiologic Technology or from the department website, www.ulm.edu/radtech. Completed application (including receipt of application fee payment) forms are to be submitted to the department head for Radiologic Technology by May 31 of the year the student seeks admission for the fall semester. Applications will be reviewed by the Admissions and Academic Standards Committee.

The Radiologic Technology Program is accredited by the Joint Review Committee on Education in Radiologic Technology 20 North Wacker Drive, Suite 900, Chicago, IL 60606-2901; Phone: 312-704-5300; www.jrcert.org. Graduates of the program are eligible to take the national certification examination for radiologic technologists administered by the American Registry of Radiologic Technologists (ARRT). The American Registry of Radiologic Technologists reserves the right to disapprove the writing of the National Registry to persons having been convicted of a Felony or Misdemeanor. Contact for the ARRT is 1255 Northland Drive, St. Paul, Minnesota, 55120-1155, phone: 641-687-0048; www.art.org.

Students must observe all pre-requisites in the sequential pursuance of courses leading to a baccalaureate degree in Radiologic Technology. Advising each semester is mandatory.

To progress in the professional program of Radiologic Technology, a student must maintain at least a 2.5 cumulative G.P.A. and complete all required radiologic technology courses with a grade of "C" or better. A student who receives a grade less than "C" on any professional Radiologic Technology course, will be dismissed from the program. The dismissal may be appealed before the Radiologic Technology Admissions and Academic Standards Committee to determine if repeated or additional coursework could justify readmission. All cases will be reviewed on an individual basis.

PRE-RADIOLOGIC TECHNOLOGY

Freshman Year	Hrs.
Core English Composition	6
Chemistry Elective	3
Core Mathematics	6
Biology 114, 115, 116, 117	8
AHSC 200 (formerly AHSC 330)	2
Core Humanities Elective	3
Radiologic Technology 101	1
Core Social Science Elective	3
FRYS 101	(1)
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	32
Sophomore Year	
Biology 228 or 214.....	3
Physics 203, 209, 204, 210	8
Psychology 201	3
Core Humanities Electives	6
Radiologic Technology 204	2
Core Fine Arts Elective	3
	<hr style="width: 100%;"/>
	25

RADIOLOGIC TECHNOLOGY

Junior Year	Hrs.
Radiologic Technology 303, 309, 313, 314, 315, 320, 321, 322, 323, 324, 325	26
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	26
Junior Year Summer Term First Session	
Radiologic Technology 327	4
	<hr style="width: 100%;"/>
	4
Junior Year Summer Term Second Session	
Radiologic Technology 328	4
	<hr style="width: 100%;"/>
	4
Senior Year	
Radiologic Technology 403, 405, 409, 410, 413, 419, 420, 424, 425, 428, 432	28
University Capstone ^{uc}	3
	<hr style="width: 100%;"/>
	31
Total hours for degree, 125.	

REGISTERED TECHNOLOGIST EDUCATION PLAN

The Radiologic Technology curriculum provides an opportunity for registered technologists to be admitted into the baccalaureate degree program. Technologists registered by the American Registry of Radiologic Technologists (ARRT) may be awarded fifty-four semester hours of credit for their certification. The total number of hours for the degree is 125. For further information, contact the department head of Radiologic Technology. The last 31 hours must be completed through The University of Louisiana at Monroe.

General Education Requirements	Hrs.
Core English Composition.....	6
Core Fine Arts Elective.....	3
Core Social Science Electives	6
Core Humanities Electives	12
General Electives	5
Math and Science Requirements	Hrs.
Core Mathematics	6
Biology Electives	9
Science Electives	6
University Capstone 300 ^{uc}	3
Radiologic Technology Electives	15
ARRT Certification Credits	54
Total hours for degree, 125.	

DEPARTMENT OF SPEECH-LANGUAGE PATHOLOGY

(Formerly Communicative Disorders)

Fellows, Boulton, Bryan, Hayden, Hayes, Huckleberry, A. Johnson, Thomas

ADMISSION TO PRE-SPEECH-LANGUAGE PATHOLOGY

Applicants for admission to Pre-Speech-Language Pathology curriculum must meet the general admission requirements for admission to the University. Applications are to be submitted to the University Admissions Office.

Progression of Majors in Speech-Language Pathology

Students enrolled in this curriculum are not eligible for American Speech-Language-Hearing Association (ASHA) certification upon completion of the degree plan. Graduate work is necessary to secure the Certificate of Clinical Competence (CCC) professional credentials. All Speech-Language Pathology courses must have a “C” or better upon graduation. A course transferred from another institution must show a grade of “C” or better in order to be considered for SPLP credit. Only approved 100 and 200 level courses may be transferred.

Beginning Summer I, 1995, all students declaring a SPLP major must meet the following requirements before applying for regular admission to the degree program: 1) satisfactory completion of any required developmental course, 2) satisfactory completion of all courses under the “Freshman Year” requirements of the SPLP curriculum, 3) satisfactory completion of all special requirements of the SPLP major. These special requirements include a) completion of SPLP 113, 151, 152, 240, and 242 with a “C” or better; b) completion of a speech, language, and hearing screening test; c) an uncorrected cumulative GPA of 2.75 or better; d) an uncorrected GPA of 3.0 or better in the 100- and 200-level SPLP courses, e) SPLP faculty approval. Note that meeting the basic requirements does not guarantee that the student will be selected to progress to upper-level SPLP courses. The above requirements also apply to transfer students. Applications for regular

admission will be reviewed only in the fall semester. Applications are to be completed with the student’s adviser and forwarded to the department head by October 20 for review.

Speech-Language Pathology courses, with the exception of practica and directed studies, can be repeated only one time. Before enrollment in SPLP 470 a student must have 1) completed a speech, language, and hearing screening while enrolled in SPLP 113, 2) completed all courses required during the freshman and sophomore years as stated in the catalog; 3) completed 25 hours of supervised observation at approved settings; 4) a cumulative, uncorrected grade point average of 2.75 or better, and 5) an uncorrected grade point average of 3.0 or better in SPLP 113, 151, 152, 240, 242, 300, 417, 418, 426, 427, 428, and 433.

Freshman Year	Hrs.
Freshman Year Seminar	(1)
Core English Composition*	6
Core Humanities*	3
Mathematics 110 ^{cm} or 111 ^{cm} or 113 ^{cm}	3
Mathematics 116*	3
Core Physical/Natural Sciences*	6
Speech-Language Pathology 113, 151	6
Elective	3
Kinesiology Elective	1
Kinesiology 201	1
	<hr/>
	32

Sophomore Year	
Speech-Language Pathology 152, 240	6
Core Humanities*	6
Psychology 201 ^{css}	3
Sociology 101 ^{css}	3
Core Natural/Physical Sciences*	3
Psychology 278	3
Elective	3
Computer Science 167	1
English 321	3
	<hr/>
	31

Junior Year	
Speech-Language Pathology 242, 300, 417, 418	9
Speech-Language Pathology 428, 429, 433	9
Communication Studies 118	3
Core Fine Arts*	3
Psychology 401	3
Elective	3
	<hr/>
	30

Senior Year	
Speech-Language Pathology 426, 427, 435, 436	11
Speech-Language Pathology 470, 480, 485, 490	12
Speech-Language Pathology 445 ^{uc}	3
Psychology 403	3
Sociology 425	3
	<hr/>
	32

Total hours for degree, 125.

*Students should see Core Curriculum requirements on pages 78 and 116.

SCHOOL OF NURSING

Adams, Bailes, Brooks, Burgess, Burson, Campbell, Corder, Davenport, Davis, Doughty, Durkee, Fautheree, Gibson, Glaze, Gray, Holmes, Jones, Kervin, Kincannon, Laird, Lewis, Lowder, Miller, Moreau, Morgan, Moss, Potter, Reid, Sabin, Stansbury, Towns, Webb, Wiggins, Williams

GENERAL INFORMATION

The School of Nursing offers the Bachelor of Science degree with a major in Nursing. Curriculum options for the traditional student, the RN student, the LPN student and students with a previous baccalaureate degree in a field other than nursing are available. The nursing curriculum is composed of two segments, pre-nursing and professional nursing. The pre-nursing segment includes three academic semesters, or the equivalent, in an accredited college or university. It is concerned with instruction in general education and the basic physical and biological sciences to prepare the student for professional nursing. After admission to the professional program, there are five academic semesters concerned with instruction in professional nursing courses necessary to prepare the student for the practice of professional nursing. For specific information about the program for students with a previous baccalaureate degree, please see the section related to the accelerated program. It should be noted that prior criminal convictions may have a bearing on admission decisions when applying for the professional program in nursing.

CORE CURRICULUM

All majors in the baccalaureate curricula having pre-professional and professional segments within the School of Nursing complete a general education core curriculum consisting of English, 6 hours; Mathematics, 6 hours; Natural Sciences, 9 hours; Arts, 3 hours; Humanities, 9 hours; and Social Sciences, 6 hours.

MISSION STATEMENT

The University of Louisiana at Monroe School of Nursing shares the University's commitment to instruction, research, and service. The primary mission of the School of Nursing is to offer a specialized program of study of nursing science which will prepare its graduates for effective service as beginning professional nurses who will practice in a variety of health care delivery settings as clinicians, leaders, and agents of change, provide its graduates with the background necessary for further professional education and growth, and provide an environment in which its graduates can develop a desire for life-long learning and a passion for the practice of nursing as a discipline of science, caring, and compassion. Further, it is the mission of the School of Nursing to provide continuing education to meet the needs of the nursing community, of Northeast Louisiana, provide professional service to the community, and promote the development of the nursing profession through scholarly activity.

ADMISSION TO PRE-NURSING

Applicants for admission to the pre-nursing curriculum must meet the general admission requirements for admission to the University.

Applications are to be submitted to the University Admissions Office.

ADMISSION TO THE PROFESSIONAL NURSING PROGRAM

TRADITIONAL STUDENTS

The School of Nursing offers clinical, didactic, and seminar instruction in the professional program. The School is accredited by the Commission on Collegiate Nursing Education, One Dupont Circle, N.W., Suite 350, Washington, D.C., 20036 -1120. Admissions are based upon the availability of clinical sites and faculty. With all factors being equal, preference is extended to Louisiana residents. Computer competency must be demonstrated prior to enrolling in NURS 200, NURS 202, NURS 220 or NURS 217.

Applicants for admission to the professional program, in addition to meeting the requirements for admission to the University, must fulfill the requirements of the pre-nursing curriculum and entrance exam. An applicant to the Traditional, RN, or LPN program must possess a minimum, corrected cumulative grade point average of 2.8 in all required pre-nursing courses, excluding grades earned in developmental education courses. Applicants to the Accelerated option, see Accelerated Admission Criteria. In addition, no grade less than "C" will be accepted in any pre-nursing course. Courses with NURS prefix may be repeated only once.

Application forms for admission to the professional program in Nursing may be obtained from the Office of the School of Nursing. Completed application forms, along with the application fee, are to be received by the Director of the School of Nursing by March 1 for the Fall Semester and by October 1 for the Spring Semester. Each application will be reviewed individually for compliance with the requirements for admission and licensure of the Louisiana State Board of Nursing described in the Louisiana Administrative Code. The Director of the School of Nursing will take final action and notify the student.

Due to the utilization of objective criteria in processing applications, attainment of minimum requirements in the pre-nursing curriculum does not necessarily ensure admission to the professional nursing program. If for some reason a student is not admitted to the nursing program, reapplication must be made following the regular procedure. The student must fulfill all prerequisites in the required sequence of courses leading to application for the professional program in Nursing.

Nursing students are required to submit a physical examination report to the office of the Director of the School of Nursing upon admission. For the protection of the student and to meet the requirements of affiliating agencies, certain health related information is required at the time of admission to the professional program. These requirements are based on recommendations from the Center for Disease Control and Prevention (CDC) and are subject to change as recommendations change. Professional healthcare students, i.e., nursing students must prove non-communicable with TB testing yearly.

(Sanitary Code, State of Louisiana). The Mantoux skin test and Hepatitis B immunization can be obtained through Student Health Services for a nominal cost. Mantoux skin test and Hepatitis B immunization may also be obtained from other sources, with the student providing appropriate and specific documentation to Student Health Services. After admission to the professional program, the Mantoux skin test must be repeated and results recorded by Student Health Services each semester. Prior to entering clinical each semester, all students must submit proof of CPR - Health Care Provider, according to the School of Nursing Student Handbook. Health insurance is recommended for all students.

At any time that a student is enrolled in pre-nursing or nursing, the Louisiana State Board of Nursing requires knowledge of: (a) information regarding whether a student has ever been arrested, charged with, convicted of, pled guilty or no contest to, or been sentenced for any criminal offense in any State; and/or (b) information regarding any actual or pending disciplinary action against them by any licensing board. These facts must be reported to the Director of the School of Nursing who will forward the information to the Board. Entrance into or continuation in the program will be dependent on the Board's action.

TRADITIONAL STUDENTS

RETENTION IN THE PROFESSIONAL NURSING PROGRAM

Failure of a student to earn a "C" or better (progressive grade) in a professional nursing course will result in automatic suspension from the professional nursing program. Students who desire readmission after being suspended, resigning, or withdrawing from the professional nursing program must submit an application for readmission through the School of Nursing Admissions and Academic Standards Committee. Students who have earned a non-progressive grade in a required nursing course may be readmitted to repeat that course only one time and, in addition, may be readmitted to repeat courses in only two semesters. A failure in either component of a combined theory/clinical course will require that both components be repeated. Readmission is not automatic, and must be considered on an individual basis.

Students enrolled in the professional program of the School of Nursing are responsible and accountable for their actions related to patient care. All students must be CPR certified, according to the School of Nursing Student Handbook, to enter a clinical area. A score of 80% on a test of dosage calculations is required each semester before entering clinical. In addition, a score of 100% is required on a drug safety test each semester. Failing to successfully pass both of these tests by the third attempt will necessitate the student dropping all courses with a clinical component. The faculty in the course involved and the Director have the right and responsibility to impose sanctions on a student whose conduct in the clinical setting is detrimental to patient welfare. Sanctions can include suspension from the course with a grade of "F" and may result in permanent suspension (dismissal) from the School of Nursing. Students will be required to take nationally normed tests throughout the curriculum, make a satisfactory score on such tests, and follow the remediation policy of the School of Nursing. In the last semester of the curriculum, students will be required to

take a comprehensive exam and to make a satisfactory score on such an exam prior to graduation and taking the licensing exam.

PROBATION/SUSPENSION REGULATIONS

NURSING PROBATION. Students who are in good academic standing in the School of Nursing and earn a non-progressive grade in one course will be placed on professional nursing probation.

NURSING SUSPENSION. Students who have earned a non-progressive grade in one course twice or have a third failure after repeating courses in two other semesters will be suspended from the professional program.

NURSING APPEAL. Students who wish to appeal their suspension from the professional program may appeal to the School of Nursing Admission and Academic Standards Committee.

NOTE: Suspension from the professional nursing program prevents students from registering for all university classes. However, students interested in another academic program may contact the dean's office responsible for the program to discuss eligibility for the program. If eligible, the student should process a change of curriculum form in the dean's office. They will then be permitted to register for classes according to the University calendar in affect.

- CN or NB - The grade of CN (non-progressive 'C' which carries two quality points) or NB (non-progressive 'B' which carries three quality points) may be assigned to students who fail to meet the clinical or theory requirements in NURS 332, 334, 404, and 405. These grades indicate non-progression and successful completion of the course/courses is required before the student can progress to the next professional semester.

- IP - The grade of IP will be assigned in NURS 465 to graduating seniors who have not successfully completed the HESI Exam requirements. The student will enroll in absentia for the following semester. When the HESI Exam requirements are met, the grade in NURS 465 will be assigned, the student transcript will note that degree requirements have been met, and the student is awaiting the formal commencement exercise.

TRADITIONAL STUDENT CURRICULUM PLAN

PRE-NURSING

Freshman Year	Hrs.
Core English Composition*	6
Biology 114 ^{cnp} /116, 115 ^{cnp} /117.....	8
Mathematics 110 ^{cm} or 111 ^{cm} , 116 ^{cm}	6
Chemistry 101 ^{cnp} /103 or 107 ^{cnp} /109	4
Core Fine Arts*	3
Psychology 201 ^{cs} , 278	6
FRYS 101	(1)
	33

Sophomore Year	
Biology 228.....	3
Family and Consumer Sciences 207.....	3
Biology 214, 215.....	4
Sociology 101 ^{cs} or 102 ^{cs}	3
Nursing 200	2
	15

NURSING

Sophomore Year	Hrs.
Nursing 204, 216	4
Nursing 205, 207	8
Nursing 280	3
Core Humanities*	3
	18
Junior Year	
Nursing 304, 305 and 306	12
Core Humanities*	3
Nursing 332, 334, 430 ^{uc}	13
Approved Nursing Elective	3
	31
Senior Year	
Nursing 403, 404, 405	12
Core Humanities*	3
Nursing 462, 463, 464, 465, 437	13
	28

Total hours for degree, 125.

*Students should see Core Curriculum requirements on pages 783 and 126.

ACCELERATED OPTION CURRICULUM PLAN FOR STUDENTS WITH A PREVIOUS BACCALAUREATE DEGREE

The School of Nursing provides an opportunity for students who have a previous baccalaureate degree in a field other than nursing to be admitted into a curriculum specifically designed to facilitate attainment of a baccalaureate degree in nursing. Students must be accepted specifically into the Accelerated Program. Requirements include a previous baccalaureate degree, specific pre-nursing prerequisites, and a GPA of 3.0 on all prerequisite coursework applied to this degree. Students will be admitted to the accelerated option beginning yearly in January. Applicants must meet general admission requirements for admission to the University. Other requirements can be found under “Admission to the Professional Nursing Program” section.

Specific Courses required prior to admission to professional nursing courses:

Equivalent courses may be earned as part of the previous degree.

Fine arts elective	3
Humanities electives	9
English 101, 102 or 103	6
Mathematics 111 or 110, 116.....	6
Chemistry 101/103 or 107/109.....	4
Psychology 201, 278.....	6
Sociology 101 or 102	3
Family and Consumer Science 207	3
Biology 114/116, 115/117, 214, 215.	12
Electives	11
Total	63

ADMISSION REQUIREMENTS FOR ACCELERATED PROGRAM

A preliminary review of college transcripts must be conducted by an advisor prior to submitting an application

in order to determine admission eligibility and identify any necessary course prerequisites.

A GPA of 3.0 is required in the following courses: ENGL, MATH, CHEM, PSYC, SOCL, FCSC, and BIOL. All other courses applied to the degree must have a grade of “C” or better.

A letter must be submitted, that describes the applicant’s views of nursing as a profession and the qualities he/she possesses that will ensure success in professional nursing.

A personal interview is required on-campus, with a member of the School of Nursing Administration. This interview will provide an opportunity to discuss program requirements, curriculum, nursing, and the applicant’s ability to complete a course of intensive study.

All prerequisite courses and the baccalaureate degree must be completed prior to beginning the Accelerated Option.

RETENTION IN THE ACCELERATED PROGRAM

Failure of a student to earn a “C” or better (progressive grade) in a professional nursing course will result in automatic suspension from the professional nursing program. If an accelerated student fails or drops a nursing course (or courses) or makes a non-progressive grade in a nursing course, that student will have a choice of three options.

1. The student may choose to apply for readmission and, if accepted, repeat the non-progressive nursing course(s) and additional courses as recommended by the Admissions and Academic Standards Committee with the next accelerated class.
2. The student may apply for readmission in the next accelerated class and, if accepted, start from the beginning in the accelerated program.
3. The student may complete all prerequisites for the traditional program and apply for readmission into the traditional program.

Students who desire readmission to the professional program after being suspended, resigning or withdrawing from the accelerated professional nursing program must submit an application for readmission through the School of Nursing Admissions and Academic Standards Committee.

Students enrolled in the professional program of the School of Nursing are responsible and accountable for their actions related to patient care. In addition, a score of 80% on a dosage calculation test and a score of 100% on a drug safety test is required before each clinical. If appropriate scores are not achieved by the third test, the student must drop all nursing courses. The faculty in the course involved and the Director have the right and responsibility to impose sanctions on a student whose conduct in the clinical setting is detrimental to patient

welfare. Sanctions can include suspension from the course with a grade of "F" and may result in permanent suspension (dismissal) from the School of Nursing.

CURRICULUM PLAN FOR ACCELERATED PROGRAM

	Hrs.
Nursing 216, 217	4
Nursing 204, 221, 222	10
Nursing 321, 326, 327	10
	<hr/>
	24
Nursing 323, 325, 430 ^{uc}	11
Nursing 407, 408, 409, 410	14
Nursing 411, 412, 414, 415, 437	13
	<hr/>
	38
Total Nursing Hours: 62	
Total requirements for degree: 125.	

REGISTERED NURSE CURRICULUM PLAN

The School of Nursing provides an opportunity for registered nurses to be admitted into the baccalaureate degree program. Graduates in nursing from NLNAC accredited and state-approved diploma and associate degree programs who are currently licensed to practice in Louisiana may be awarded forty-one semester credit hours based on current licensure at the time of admission. Applicants for admission to the professional program, in addition to meeting the requirements for admission to the University, must fulfill the requirements of the pre-nursing curriculum. No entrance exam is required. Part-time and full-time study is available.

RETENTION IN THE RN TO BS PROGRAM

Failure of a student to earn a "C" or better (progressive grade) in a professional nursing course will result in automatic suspension from the professional nursing program. Students who desire readmission after being suspended, resigning, or withdrawing from the professional nursing program must submit an application for readmission through the School of Nursing Admissions and Academic Standards Committee. Students who have earned a non-progressive grade in a required nursing course may be readmitted to repeat that course only one time and, in addition, may be readmitted to repeat courses in only two semesters. Readmission is not automatic, and must be reconsidered on an individual basis.

Students enrolled in the professional program of the School of Nursing are responsible and accountable for their actions related to patient care. The faculty in the course involved and the Director have the right and responsibility to impose sanctions on a student whose conduct in the clinical setting is detrimental to patient welfare. Sanction can include suspension from the course with a grade of "F" and may result in permanent suspension (dismissal) from the School of Nursing.

The total number of hours required for the degree is 125. Thirty-two (32) hours must be earned through instruction offered by The University of Louisiana at Monroe.

Pre-Requisite and Core Courses	Hrs.
Core English Composition*	6
Biology 114 ^{cnp} , 115 ^{cnp} , 116 ^{cnp} , 117 ^{cnp}	8
Biology 214, 215, 228.....	7
Math 110 ^{cm} or 111 ^{cm} , 116 ^{cm}	6
Chemistry 101 ^{cnp} , 103 or 107 ^{cnp} , 109	4
Core Fine Arts*	3
Psychology 201 ^{cs} , Sociology 101 ^{cs} or 102 ^{cs}	6
Psychology 278	3
FCSC 207.....	3
Core Humanities*	9
	<hr/>
	55

Professional Course Requirements

Nursing 280	3
Nursing 204, 216, 220	7
Nursing 430 ^{uc} , 437, 472, 473, 474, 475	16
Approved Nursing Elective	3
	<hr/>
	29

41 credit hours granted with current LA RN license upon successful completion of all prerequisites and NURS 220.

Total Hours for degree, 125.

*Students should see the Core Curriculum requirements on pages 78 and 126.

LICENSED PRACTICAL NURSE CURRICULUM PLAN

The School of Nursing provides an opportunity for licensed practical nurses to be admitted into the baccalaureate degree program. Graduates in nursing from state-approved licensed practical nurse programs who are currently licensed to practice in Louisiana may be admitted for part-time or full-time study.

Provision is made for these students to demonstrate their achievement by taking examinations for credit in selected arts, sciences, and nursing courses. Twelve (12) credit hours may be earned throughout the program from proficiency tests and skills checkoff and recognized work experience. Students entering the program with a degree and transfer students with sophomore or above status are not required to take FRY5 101. Other requirements can be found under "Admission to the Professional Nursing Program" section. For further information contact the School of Nursing.

RETENTION IN THE LICENSED PRACTICAL NURSE PROGRAM

Failure of a student to earn a "C" or better (progressive grade) in a professional nursing course will result in automatic suspension from the professional nursing program. Students who desire readmission after being suspended, resigning, or withdrawing from the professional nursing program must submit an application for readmission through the School of Nursing Admissions and Academic Standards Committee. Students who have earned a non-progressive grade in a required nursing course may be readmitted to repeat that course only one time and, in addition, may be readmitted to repeat courses

in only two semesters. A failure in either component will require that both components of a combined theory/clinical course be repeated. Readmission is not automatic, and must be considered on an individual basis.

Students enrolled in the professional program of the School of Nursing are responsible and accountable for their actions related to patient care. All students must be CPR certified, according to the School of Nursing Student Handbook, to enter a clinical area. A score of 80% on a test of dosage calculations is required each semester before entering clinical. In addition, a score of 100% is required on a drug safety test each semester. Failing to successfully pass both of these tests by the third attempt will necessitate the student dropping all courses with a clinical component. The faculty in the course involved and the Director have the right and responsibility to impose sanctions on a student whose conduct in the clinical setting is detrimental to patient welfare. Sanctions can include suspension from the course with a grade of F and may result in permanent suspension (dismissal) from the School of Nursing. Students will be required to take nationally normed tests throughout the curriculum, make a satisfactory score on such tests, and follow the remediation policy of the School of Nursing. In the last semester of the curriculum, students will be required to take a comprehensive exam and to make a satisfactory score on such an exam prior to graduation and taking the licensing exam.

PRE-NURSING

Freshman Year	Hrs.
Core English Composition**	6
Biology 114 ^{enp} /116, 115 ^{enp} /117	8
Math 110 ^{cm} or 111 ^{cm} , 116 ^{cm}	6
Chemistry 101 ^{enp} /103 or 107 ^{enp} /109	4
Core Fine Arts	3
Psychology 201 ^{cs} , 278	6
	33

Sophomore Year

Biology 228.....	3
Family and Consumer Sciences 207.....	3
Biology 214, 215.....	4
Sociology 101 ^{cs} or 102 ^{cs}	3
Nursing 202, 204, 216.....	6
Nursing 205*, 207*	8
Nursing 280	3
Core Humanities**	3
	33

NURSING

	Hrs.
Junior Year Hrs.	
Nursing 304 and 305 or [307 and 308] and 306.....	12
Core Humanities**	6
Nursing 332, 334, 430 ^{uc}	13
	31
Senior Year	
Nursing 403*, 404, 405.....	12
Approved Nursing Elective	3
Nursing 462, 463, 464, 465, 437	13
	28

Total hours for degree, 125.

*Credit received after successful completion of challenge examination.

**Students should see the Core Curriculum requirements on pages 78 and 126.

COLLEGE OF PHARMACY

F. LAMAR PRITCHARD, Dean
Bienville, 102C

ACADEMIC PROGRAMS

Bachelor of Science (BS)
Doctor of Pharmacy (Pharm.D.)
Doctor of Philosophy (Ph.D.)

PHARMACY UNDERGRADUATE AND PROFESSIONAL DEGREES

ACADEMIC UNIT

Pharmacy
Department of Toxicology

MAJOR

Pharmacy
Toxicology

DEGREE

PharmD *
BS

*Please consult the University of Louisiana at Monroe Catalog of Graduate and Professional Programs for information pertaining to the College's graduate and doctoral-level professional degree programs.

MISSION STATEMENT

The College of Pharmacy at the University of Louisiana at Monroe, Louisiana's College of Pharmacy, endeavors to create a professional learning environment that embraces the concept of continual quality improvement. This environment will enable the College to produce and maintain excellent academic, research and service programs that directly enhance the health and environment of the state of Louisiana and beyond.

The mission of the College of Pharmacy (COP) is to educate future health care professionals to meet the diverse pharmaceutical care needs of the people of Louisiana and to serve the professions of pharmacy and toxicology through a balanced program of education, research, service, and patient care.

The strategic decisions and daily operations of the College's faculty and staff will be reflective of the following values:

* Responsibility - acting morally, ethically, and with integrity, as well as being accountable for one's actions. Students, faculty, and staff have a duty to adhere to these standards. We also recognize our duty to be thoughtful stewards of those resources entrusted to us.

* Innovation - the synthesis, embodiment, or combination of knowledge in original, relevant, valued new products, processes, or services, especially as related to promoting optimal patient and educational outcomes.

* Collaboration - the development of educational, research and practice partnerships among students, practitioners, educators, and other stakeholders.

* Quality - the pursuit of excellence, which is cultivated and assessed through a process of continual quality improvement.

* Professionalism - the demonstration of structural, attitudinal, and behavioral attributes of a profession and

its members. Certain professional attributes, including a service orientation; caring; respect for others; accountability and responsibility for one's action; integrity; honesty; ethically sound decision making; and a commitment to life-long learning are fundamental to our functioning as learners, educators, researchers, scholars, and practitioners of pharmacy.

In addition to the values stated above, we have set the following goals:

Education

1. Educate entry-level pharmacy practitioners to deliver pharmacy care in a dynamic, culturally diverse society, enabling graduates to enter a wide range of existing or emerging health care practices.
2. Provide effective graduate education in the pharmaceutical and toxicological sciences.
3. Recognize professional education as an individual process that begins in the academic setting and continues throughout the professional career, not only for the student but educators and practitioners as well.
4. Model attitudes and values that emphasize the importance of a team approach to patient-centered care.
5. Integrate basic, clinical, administrative and toxicological sciences.

Research/Scholarly Activity

1. Promote, develop and sustain excellence in graduate study and research in the clinical, basic, social and administrative sciences, thereby adding to the body of knowledge for scientists and educators in pharmacy, toxicology and related fields.
2. Promote research and scholarship that lead to improved patient care.

- Promote research and scholarship that lead to improved educational outcomes.
- Assess and evaluate all research and scholarly activity undertaken within the College.
- Provide appropriate mentorship for faculty development.

Service

- Address the healthcare and other societal needs by involving faculty, staff, and students in service activities at the University, local, state, national and international levels.
- Promote wellness and disease prevention.
- Promote therapeutic interventions, rational medication use, and the judicious use of economic resources.
- Advance student and faculty participation and leadership in professional organizations.

Pharmacy Practice

- Promote and optimize pharmacy care in order to improve patient outcomes.
- Promote postgraduate professional training and assume an active role in the development of residencies and fellowships.

Reflection upon our stated mission, values, and goals has led us to develop the following educational philosophy:

The entry level Doctor of Pharmacy curriculum is an integration of biomedical, pharmaceutical, clinical, and administrative sciences to prepare practitioners who can effectively provide pharmaceutical care in a changing profession. Consistent with the educational philosophy of the University, the educational process is based on a student-centered approach that values life-long learning and the development of complex problem solving skills. Faculty demonstrate through their teaching, practice, and research the highest standards of professionalism and a passion for quality patient care.

Students will demonstrate the following:

- A commitment to developing life-long learning habits.
- The abilities required for a competent and contemporary patient-centered pharmacy practice.
- Behaviors and attitudes necessary for professional growth and development.

GENERAL INFORMATION

The College of Pharmacy was established by the State Board of Education on August 11, 1956 and continues to serve as Louisiana's sole State supported Pharmacy Program. The College of Pharmacy continues to evolve to meet the health care needs of the State's population, and in 1998, began to offer the Doctor of Pharmacy degree as its sole entry level professional pharmacy degree. The College also offers the State's only masters and doctor of philosophy degrees in the areas of pharmacy and pharmaceutical sciences. The

Bachelor of Science program in Toxicology was initiated in 1982 and is one of only six programs in the country. The College of Pharmacy currently includes three academic departments - Basic Pharmaceutical Sciences, Clinical and Administrative Sciences, and Toxicology.

ACCREDITATION

The Doctor of Pharmacy program in the College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education. The College of Pharmacy is a member of the American Association of Colleges of Pharmacy, an organization whose mission is to promote pharmaceutical education and research.

CORE CURRICULUM

All majors in baccalaureate curricula having pre-professional and professional segments within the College of Pharmacy complete a 42-hour general education core curriculum consisting of English, 6 hours; Mathematics, 6 hours; Natural Sciences, 9 hours; Fine Arts, 3 hours; Humanities, 9 hours; and Social Sciences, 6 hours; FRYs (1), and University Capstone, 3 hours.

DEPARTMENT OF BASIC PHARMACEUTICAL SCIENCES

Briski, DeGennaro, El Sayed, Hill, Hussain, Hsia, Jackson, Jois, Kaddoumi, Liu, Nazzal, Shah, Sylvester

DEPARTMENT OF CLINICAL AND ADMINISTRATIVE SCIENCES

Jastram, Adams, Akins, Andrews, Baggarly, Betz, Biglane, Brady, Brown, Caldwell, Cockerham, Cox, E. Evans, J. Evans, Feldhaus, Gauthier-Lewis, Jacobs, Jenkins, Labruzzo, Lawrence, Leader, Manor, Massia, Nickelson, Parish, N. Pierron, W. Pierron, Racca, Ranzino, Rappaport, Riley, Sherman, Sirmans, C. Smith, G. Smith, Sorrells, Steffenson, Stewart, Tan, Tice, Walker, Wicker, Wilbert, Zagar

DOCTOR OF PHARMACY PROGRAM

The Doctor of Pharmacy degree is the highest level of applied professional education offered in pharmacy. It is designed to assure development of clinical skills and judgment with the acquisition of the confidence necessary to assess therapeutic problems and to be an active participant in decision-making processes related to pharmaceutical care. The program is designed to provide a broad spectrum of study in the administrative, biological, clinical, pharmaceutical, and social sciences to prepare the graduate for careers in academic, ambulatory, community, industrial and institutional settings.

Admission to the Doctor of Pharmacy requires preparatory coursework focusing in the areas of biological, chemical and physical sciences, and written and oral communications which need to be completed prior to admission into the College of Pharmacy. Students

wishing to pursue a career in pharmacy are encouraged to complete their pre-professional requirements in conjunction with pursuing a four year degree (e.g., toxicology, biology, chemistry, etc.). Pre-professional preparatory coursework may be completed at any accredited university. Students aspiring to complete their pre-professional preparatory coursework at the University of Louisiana at Monroe must meet the admission requirements for the University. Students with a "Pre-Pharmacy" major designation must present a 2.8 cumulative grade point average once they have earned 70 hours to maintain the designation. Students who fail to present a 2.8 grade point average will be required to change their major to LUIO (undeclared) or another major at the 70 hour mark.

Upon completion of the preparatory coursework, students may apply for admission to the Doctor of Pharmacy program in the College of Pharmacy. Admission to the program is competitive and, at a minimum, is based on cumulative pre-professional preparatory course work grade point average, written and oral communication skills, and scores on the Pharmacy College Admission Test.

For the 2009 admission cycle, students applying for admission to the College of Pharmacy must meet the following academic requirements:

1. Have a minimum 3.0 cumulative grade point average;
2. Meet the University of Louisiana at Monroe's core curriculum requirements with a grade of "C" or better in each core course;
3. Complete the following courses or their equivalents with a grade of "C" or better:
 - a. Biology 120, 121, 214, 215, 220, 240, 241, 305, 311, 312, and 313
 - b. Business 305
 - c. Chemistry 107, 108, 109, 110, 230, 231, 232, 233, and 350
 - d. Economics 201
 - e. English 101, 102, and 320
 - f. Kinesiology 201
 - g. Management 301
 - h. Math 113, 131, 132, and 303
 - i. Physics 203, 204, 209, 210
 - j. Communication Studies 201
4. Meet the technical standards of the College of Pharmacy, and
5. Meet the minimum Pharmacy College Admissions Test score criteria.

ADMISSION TO THE DOCTOR OF PHARMACY PROGRAM

Admission to the program is competitive, and is based on the student's academic ability, communication skills, and potential for professionalism. As required by the Accreditation Council for Pharmacy Education, the College of Pharmacy offers extensive experiential clerkship instruction in its educational program. For this reason, admissions are determined annually based upon the availability of the instructional resources available to the program. Preference for admission is extended to

Louisiana residents. The University of Louisiana at Monroe, Office of Admissions determines residence status in accordance with the regulations of the University of Louisiana System Board of Supervisors.

In addition to meeting the requirements of admission for the University of Louisiana at Monroe, applicants for admission to the Professional Program in the College of Pharmacy must have completed the required pre-professional preparatory coursework with no grade less than "C", possess a cumulative grade-point average of at least 3.000 (uncorrected, based on a 4.0 system) in all previous coursework undertaken, exclusive of developmental courses, whether passed or failed at all institutions of attendance and meet the technical standards of the College of Pharmacy.

The application process for admission to the College of Pharmacy requires the student to complete an online application with the Pharmacy College Admission Service (PharmCAS), a supplemental application with the College of Pharmacy, and a University application. Online applications to PharmCAS must be completed by November 3rd immediately preceding the applicant's effective admission date. Supplemental applications are due to the Office of Student and Professional Affairs in the College of Pharmacy no later than November 3rd immediately preceding the applicants effective admission date, and all pre-professional preparatory coursework and university core curriculum requirements must be completed no later than June 1st immediately preceding the applicant's requested effective admission date. Coursework completed more than seven years prior to the applicant's requested admission date may not be used to satisfy pre-professional requirements and will be excluded from all evaluations and grade point calculations associated with the professional program admission process.

Official scores from the Pharmacy College Admission Test (PCAT) must be submitted by students applying for admission to the professional program. PCAT scores must be submitted to PharmCAS by the November 3rd application deadline. Selected qualified students will be invited to campus for interviews to evaluate their communication skills and potential for professionalism. Applicants are expected to exhibit the degree of maturity commensurate with advanced academic study, as well as motivation for the practice of pharmacy. Applications will be reviewed by the Admissions Committee, and the Dean will take final action on the committee's recommendation and notify the students concerned. A complete explanation of application procedures pertaining to the current admissions cycle and application forms are available online at the College of Pharmacy website (www.ulm.edu/pharmacy).

Students seeking to transfer to the professional program of the College of Pharmacy from other accredited colleges of pharmacy must meet the pre-professional preparatory coursework requirements and be eligible for admission to the University. Additionally, the applicant must be in good academic standing and be eligible to continue and progress in the College of Pharmacy he/she has been attending. The student must have an overall grade point average of at least 3.000 (4.0 system) on all coursework attempted at the time of transfer. A logical sequence of professional courses and appropriate

prerequisites must have been maintained. Advanced standing will be granted on comparable subject matter for which a grade of "C", or better, has been earned. A minimum of one academic year is required for graduation. Transfer opportunities are possible only when vacancies in existing classes occur. Students admitted on a professional transfer basis to a class in progress shall be subject to all requirements and restrictions applicable to other students in the class.

Any person having been convicted of a drug related felony will not be admitted to the professional program of the College of Pharmacy.

ATTENDANCE POLICY

The professional educational experience in the College of Pharmacy involves many multifaceted learning objectives, including professional interactions with faculty and peers, that do not lend themselves to traditional testing modalities and assignment of letter grades. As a result, class attendance is mandatory in all pharmacy courses. Students reported for accumulating more than three unexcused absences in a course during an academic semester will be administratively dropped from the course with a "W" grade. In accordance with College of Pharmacy policy and procedure, a grade of "W" will be counted as an "F" grade with respect to academic standards.

BACKGROUND CHECKS

Students applying to the College of Pharmacy may be required to undergo a background check as a part of the application process. All students enrolling in the professional program will undergo criminal background checks as a part of obtaining their Louisiana State Board of Pharmacy Intern License. Any previous activity that would preclude the issuance or continuance of an intern activity will result in suspension or dismissal from the program.

CODE OF ETHICAL AND PROFESSIONAL CONDUCT

The College of Pharmacy employs a code of ethical and professional conduct which relies on the honor system. The code is based on the assumption that pharmacy students, as future health care professionals will develop maturity and professionalism through self-governance. The code of ethical and professional conduct is a form of student self-governance that applies to all facets of the student's academic and professional life.

The basic assumption of the code is that central to the act of being a professional is conducting one's self with the highest sense of honor and integrity, and primary core values that every pharmacy student should possess include honesty, integrity, responsibility, competence and respect for people. Pharmacists do not learn to be professionals upon completion of degree requirements or through issuance of a license. Instead, the internalization of the concept of professionalism must occur as a part of the professional education process so that pharmacy students carry these concepts with them into the profession. It is the pharmacy student's responsibility to

develop a selfless sense of service that demands personal excellence and accountability. By enrolling in the College of Pharmacy, a student accepts these professional standards and requirements as a prerequisite for continued enrollment in the pharmacy curriculum and graduation.

As a condition of acceptance to the College of Pharmacy, the applicant shall be required to agree to abide by the Code of Ethical and Professional Conduct.

COMPUTER REQUIREMENTS

All students admitted to the Doctor of Pharmacy program are required to purchase a laptop for use in the classroom and obtaining notes. It is the responsibility of the student to backup their system, print their notes, and have technical service for their computer. The technical support area of the College of Pharmacy is available for connectivity issues relating to our wireless network. However, they do not provide in-depth technical support for student computers.

FEES, EXPENSES, AND REFUNDS

Tuition and fees are set on an annual basis and are subject to change. Because the expenses of educating pharmacists is substantially more than the expenses associated with undergraduate training, tuition and fees, including a professional fee, are substantially higher than those associated with the undergraduate programs in the University. Students classified as non-Louisiana residents under the regulations of the University of Louisiana System Board of Supervisors will pay out-of-state tuition in addition to general tuition and fees. Courses enrolled for audit will be charged tuition the same as courses for academic credit. In order for a student's enrollment to be complete, the student's registration fees must be paid in full. It is the student's responsibility to follow-up on anticipated or pending financial aid to ensure that the student's bill is paid in full. Payments must be received in the "University" or by mail in the Controller's Office, or via web payment by the published deadline in order that the payments are not considered to be late payments. A student who resigns from the University may be entitled to some refund of tuition, activity and out-of-state fees, and/or room and meal plan charges. The exact amount of the refund, if any, will depend upon the resignation circumstances and timing. Refunds will be subject to an administrative fee. A complete description of the student billing and refund policy can be found in the University of Louisiana at Monroe Student Policy Bulletin. (<http://www.ulm.edu/studentpolicy/studentpolicy.pdf>).

IMMUNIZATION POLICY

In addition to the general Immunization Compliance required of all students by Louisiana R.S. 17.170, students admitted to the professional program of the College of Pharmacy must meet immunization requirements established by the College. Students accepting admission to the College of Pharmacy will be provided a set of immunization requirements and a

deadline to meet the requirements. Students failing to meet immunization deadlines will have their offer of admission rescinded.

HEALTH INSURANCE REQUIREMENTS

Health insurance is required of all students enrolled in the College of Pharmacy. Students failing to show proof of health insurance may have their offer of admission rescinded or be suspended from the program until such proof is available.

LIABILITY/MALPRACTICE INSURANCE

All students enrolled in the professional program are automatically covered by professional liability insurance during their practice experiences or while participating in other practice activities that are part of the student's curriculum. The University maintains commercial excess general and medical malpractice liability insurance administered through the State of Louisiana Office of Risk Management for itself, its agents, officers, employees and students. This coverage can be viewed from the web site located at: <http://doa.louisiana.gov/orm/pdf/uwsumm.pdf> Primary Commercial General Liability coverage is underwritten by the Louisiana Self-Insurance Fund (Self insured by the office of Risk Management) and provides \$5,000,000 per occurrence (no aggregate). Miscellaneous Tort Liability coverage is underwritten by the Louisiana Self-Insurance Fund and provides comprehensive umbrella excess of \$5,000,000 per occurrence. The student professional liability insurance does not cover students when employed outside the curriculum.

PHARMACY INTERN PERMITS

Students admitted to the professional program must apply for an active pharmacy intern permit during the first semester following enrollment into the professional program and maintain the intern permit continually throughout enrollment in the professional program. Students found to be in violation of the regulations of the Louisiana Board of Pharmacy may be required to resign their enrollment.

RANDOM DRUG SCREENING REQUIREMENTS

In the interest of public health and safety, all students enrolling the professional program of the College of Pharmacy are subject to random drug screening. Such tests are conducted by independent laboratories and test results are reported directly to the College of Pharmacy. Results of random drug screenings will also be reported to Louisiana State Board of Pharmacy.

TECHNICAL STANDARDS

The goal of the College of Pharmacy is to broadly prepare students to practice pharmacy with special emphasis on practicing in primary care settings. Regardless of the eventual type of practice (i.e., community, clinic, or health care system), students must demonstrate competence in intellectual, physical and social tasks that together represent the fundamentals of being able to provide contemporary pharmaceutical care. Students will be judged by their respective program faculty not only on their scholastic achievement and ability, but also on their intellectual, physical and emotional capacities to meet the full requirements of the college's curriculum. As an advisory committee to the Dean, the Admissions Committee is instructed to exercise judgment on behalf of the faculty to recommend the entering class, and to consider character, extracurricular achievement, and overall suitability for the pharmacy profession based upon information in the application and personal interviews.

The American Council on Pharmaceutical Education, the accrediting body for colleges and schools of pharmacy, requires that the curriculum provide a general professional education, enabling each student to eventually practice as a pharmacy generalist. This requires the development of broad knowledge, skills, behaviors, ongoing self-directed learning, and the eventual ability to deliver competent pharmaceutical care within a reasonable time frame and within the context of the legal and ethical framework of the profession. The basic science curriculum includes the study of biochemistry, medicinal chemistry, molecular biology, immunology, physiology, pharmaceuticals, pathology and pharmacology; all within the context of application to solving clinical problems. The practice skill curriculum includes the behavioral, administrative, supervisory, economic, legal, ethical, analytical, integrative, historical and contextual aspects of practice. The basic sciences and practice skills curricula are interwoven and are designed to establish a core of knowledge necessary for understanding pharmacotherapeutics and undergoing advanced clinical training. The clinical curriculum includes diverse experience in primary care, in ambulatory and inpatient settings, and in specialized environments such as long term care and managed care or home infusion practices. The basic science, practice skills and clinical experiences develop the ability to practice pharmacy with the goal of providing cost effective improvement in patient outcomes, independently or with a team or other health care professionals, regardless of the future choice of practice site. The faculty requires each student to pass each required course, all of the clinical rotations, and programmatic assessments to graduate.

The following technical standards specify those attributes the faculty considers necessary for completing pharmacy training, enabling each graduate to subsequently enter clinical practice, residency or fellowship training. These standards describe the essential functions students must demonstrate in order to fulfill the requirements of a general pharmacy education, and thus, are prerequisites for entrance, continuation, and graduation from the College of Pharmacy. The University

of Louisiana at Monroe College of Pharmacy will consider for admission any applicant who demonstrates the ability to perform or to learn to perform the skills listed in this document. Applicants are not required to disclose the nature of their disability(ies), if any, to the Admissions Committee. However, any applicant with questions about these technical standards is strongly encouraged to discuss the issue with the Director of Student and Professional Affairs prior to the interview process. If appropriate, and upon the request of the applicant/student, reasonable accommodations will be provided.

Certain chronic or recurrent illnesses and problems that interfere with patient care or safety may be incompatible with pharmacy training or practice. Other conditions that may lead to a high likelihood of student illness should be carefully considered. Deficiencies in knowledge base, judgment, integrity, character, or professional attitude or demeanor, which may jeopardize patient care, may be grounds for course/practice experience failure and possible dismissal.

A student must possess aptitude, abilities, and skills in five areas:

- 1) observation;
- 2) communication;
- 3) sensory and motor coordination and function;
- 4) conceptualization, integration and quantitative evaluation; and
- 5) behavioral and social skills, abilities and aptitude.

These are described in detail below. The program faculty will monitor maintenance of these standards. Students must be able to independently perform the described functions.

1. OBSERVATION

Students must be able to

- a. observe demonstrations and conduct exercises in a variety of areas related to contemporary pharmacy practice, including but not limited to, monitoring of drug response and preparation of specialty dosage forms.
- b. observe a patient accurately at a distance and close at hand, noting nonverbal as well as verbal signals. Specific vision-related requirements include, but are not limited to the following abilities:
 - i. visualizing and discriminating findings on drug or fluid monitoring tests;
 - ii. reading written and illustrated material;
 - iii. observing demonstrations in the classroom or laboratory, including projected slides and overheads;
 - iv. observing and differentiating changes in body movement;
 - v. observing anatomic structures;
 - vi. discriminating numbers and patterns associated with diagnostic and monitoring instruments and tests, and
 - vii. competently using instruments for monitoring drug response.

2. COMMUNICATION

Students must be able to

- a. relate effectively and sensitively with patients and their caregivers and or partners, and convey a sense of compassion and empathy.

- b. communicate clearly with, and observe patients in order to elicit information, accurately describe changes in mood, activity and posture, and perceive verbal as well as nonverbal communication. Communication includes not only speech but also reading and writing. Communicate quickly, effectively and efficiently in oral and written English with all members of the health care team. Specific requirements include but are not limited to the following abilities:

- i. communicating rapidly and clearly with the health care team on rounds;
- ii. eliciting a thorough history from patients; and
- iii. communicating complex findings in appropriate terms to patients and their caregivers, partners and various members of the health care team (fellow students, physicians, nurses, aides, therapists, social workers, and others).
- c. learn to recognize and promptly respond to emotional communication such as sadness, worry, agitation, and lack of comprehension of communication.
- d. recognize signs of behavioral disorders that may impact a patient's compliance.
- e. read and record observations and care plans legibly, efficiently and accurately.
- f. prepare and communicate concise but complete summaries of individual encounters and complex, prolonged encounters with patients.
- g. complete forms or appropriately document activities according to directions in a complete and timely fashion.

3. SENSORY AND MOTOR COORDINATION OR FUNCTION

Students must have sufficient sensory and motor function to monitor drug response and to prepare and or dispense pharmaceuticals.

A student should be able to execute motor movements reasonably required to participate in the general care and emergency treatment of patients. They must be able to respond promptly to urgencies within the practice setting and must not hinder the ability of their coworkers to provide prompt care. Examples of such emergency treatment reasonably required of pharmacists include arriving quickly when called, participating in the initiation of appropriate procedures, and rapidly and accurately preparing appropriate emergency medication.

4. INTELLECTUAL-CONCEPTUAL INTEGRATIVE AND QUANTITATIVE ABILITIES

These abilities include

- a. measurement,
- b. calculation,
- c. reasoning,
- d. analysis,
- e. judgment,
- f. numerical recognition and
- g. synthesis.

Especially important is the appropriate and rapid calculation of dosages in a variety of conditions such as renal or hepatic failure, obesity, cardiac or respiratory

arrest, etc. Additionally, calculations involving appropriate dilution or reconstitution of drug products, electrolytes, etc. must be made accurately and quickly. Problem solving, a critical skill demanded of all pharmacists, requires all of these intellectual abilities and must be performed quickly, especially in emergency situations.

Students must be able to

- identify significant findings from history, physical assessment, and laboratory data; provide a reasonable explanation and analysis of the problem;
- determine when additional information is required; suggest appropriate medications and therapy;
- develop appropriate treatment plans to improve patient outcomes;
- develop patient counseling information at a complexity level appropriate to a particular situation; and
- retain and recall information in an efficient and timely manner.

The ability to incorporate new information from peers or teachers, and to locate and evaluate new information from the literature to be used appropriately in formulating assessments and pharmaceutical care plans is essential, as is good judgment in patient assessment and therapeutic planning for disease management.

Students must also be able to

- identify and communicate the limits of their knowledge to others when appropriate and be able to recognize when the limits of their knowledge indicate further study or investigation is essential before participating in decision making.
- interpret graphs or charts describing biologic, economic or outcome relationships.

5. BEHAVIORAL ATTRIBUTES

Empathy, integrity, honesty, concern for others, good interpersonal skills, interest and motivation are all personal qualities that are required. Students must possess

- the emotional health required for full use of their intellectual abilities;
- the exercise of good judgment;
- the prompt completion of all responsibilities attendant to the care of patients, and
- the development of mature, sensitive and effective relationships with patients and their caregivers and partners.

At times this requires the ability to be aware of and appropriately react to one's own immediate emotional responses and environment. For example, students must maintain a professional demeanor and organization in the face of long hours and personal fatigue, dissatisfied patients, and tired colleagues.

Students must

- be able to develop professional relationships with patients and their caregivers and partners, providing comfort and reassurance when appropriate while protecting patient confidentiality.
- possess adequate endurance to tolerate physically taxing workloads and to function effectively under stress or with distractions. All students are at times required to work for

extended periods, occasionally with rotating shifts.

- be able to adapt to changing environments, to display flexibility, and to learn to function in the face of uncertainties inherent in the clinical problems of many patients.
- develop the skills necessary to instruct and supervise technical personnel assisting with the delivery of pharmaceutical services.

Students are expected to accept appropriate suggestions and criticism and if necessary, respond quickly, appropriately and cooperatively by modification of behavior.

TRANSPORTATION

College of Pharmacy classrooms are located approximately 1 & 1/2 miles away from the main campus. Students are expected to provide their own transportation to and from classes. Additionally, Introductory and Advanced Practice Experiences may be assigned anywhere in Louisiana or the surrounding region. Students are expected to provide for their own housing and transportation during the practice experiences.

ACADEMIC, ETHICAL AND PROFESSIONAL STANDARDS

Students admitted to the College of Pharmacy are held to rigorous academic, ethical and professional standards as outlined in the College of Pharmacy Student Handbook. To complete the Doctor of Pharmacy program, the student must have demonstrated satisfactory academic performance and ethical and professional standards. Disciplinary actions may occur based on violations of academic, ethical or professional standards as outlined in the College of Pharmacy Bulletin.

ACADEMIC PROGRESSION. Failure of a student to earn a minimum grade of "C" in a professional pharmacy course precludes progression to courses for which it is a prerequisite. In the event that a student fails to obtain a grade of "C" or better in a professional pharmacy course, the student must remediate that course or its equivalent at the next offering of the course, and such remediation must be completed within one year of the original course. Course withdrawals and leaves of absences disrupt a student's progress and are discouraged. A student who must withdraw from one or more courses for compelling circumstances beyond his or her control may petition the Associate Dean of Academic Affairs to withdraw from specific courses or from all courses. Withdrawal from a course without administrative approval will result in "W" grades being treated as a grade of "F" for academic progression and retention purposes. Failure of a student to earn a minimum grade of "C" in all professional pharmacy courses precludes progression to the Advanced Practice Experiences. Students who fail to meet minimum progression standards may find it necessary to resign their enrollment for one or more semesters. Students who interrupt their enrollment in professional pharmacy courses for a period of more than two consecutive enrollment periods (two semesters) must apply for

readmission to the professional program of the College of Pharmacy.

PROBATION. Any full-time or part-time student enrolled in the professional program in pharmacy who fails to maintain a minimum overall cumulative grade point average of 2.0 in required professional pharmacy courses, earns a semester grade-point average below 2.0 in professional pharmacy courses or earns a grade of "D" or lower in two or more professional pharmacy courses in a semester shall be placed on probation. Students may also be placed on probation for violation of ethical or professional standards.

REMOVAL FROM PROBATION. To be removed from probation, full-time or part-time students enrolled in the professional program of pharmacy must earn sufficient quality points to achieve an overall cumulative grade point average of at least 2.0 in required professional pharmacy courses and earn a grade of "C" or better on all professional pharmacy coursework during their next regular enrollment period and meet any criteria set by the academic standards committee. Students placed on probation due to violation of ethical or professional standards will be removed from probation when they have met the requirements set by the Board of Ethical and Professional Conduct and the Dean of the College of Pharmacy in their disciplinary actions.

SUSPENSION. Any student on probation who fails to achieve an overall cumulative grade point average of at least 2.0 in required professional pharmacy courses at the conclusion of their probationary enrollment shall be suspended for a period of one academic year. Upon reentry into the professional program of pharmacy after suspension for scholastic reasons, a student is placed on probation and will be suspended if an overall cumulative grade average of at least 2.0 in required professional pharmacy courses and a grade of "C" or better on all required professional pharmacy coursework is not achieved during the next enrollment period. Students who have their permit suspended or revoked by the Louisiana Board of Pharmacy will be suspended from the College of Pharmacy until their permits are reinstated. Suspensions related to violations of ethical and professional standards may vary in duration, and students suspended for non-academic reasons must meet the requirements set by the Board of Ethical and Professional Conduct in their disciplinary action to be readmitted into the program.

In order to preserve the educational environment of the College of Pharmacy, any student enrolled in the professional program of the College of Pharmacy who is formally charged by civil authorities with the commission of a drug related felony shall be suspended from the College of Pharmacy pending the outcome of the civil judicial process. The policy is applicable to all such alleged offenses whether committed on the University campus or at an off-campus location.

COURSES TAKEN BY STUDENTS UNDER SUSPENSION. No student under suspension for scholastic reasons may obtain credit toward a degree on courses pursued at another institution while ineligible to

register in any institution under the jurisdiction of the University of Louisiana System Board of Supervisors.

DISMISSAL FROM PHARMACY. Any student enrolled in the professional program of pharmacy shall be dismissed from the program for the following:

- 1) Receiving a second scholastic suspension.
- 2) Failing to satisfy all graduation requirements for the Doctor of Pharmacy Degree within a six calendar year period immediately following his/her initial enrollment in the professional pharmacy program. If a student reaches a point from which it could not be expected for him/her to finish within the required six-year period by progressing through the normal sequencing of remaining courses, the student will be dismissed from the program at that time.
- 3) Any student enrolled in the professional pharmacy program that earns two or more "F" grades in professional pharmacy courses - in any sequence or combination.
- 4) Any student enrolled in the professional pharmacy program that fails to complete a required professional pharmacy course or its equivalent with a minimum grade of "C" upon a second attempt. (i.e. when repeating a required professional pharmacy course in which an initial grade of either "F" or "D" was earned, the student must achieve a minimum grade of "C" upon the first remediation attempt).
- 5) Students denied a pharmacy intern permit by the Louisiana Board of Pharmacy.
- 6) Any student who has been admitted to the professional program of the College of Pharmacy and subsequently convicted of a drug related felony.
- 7) Students who have their pharmacy intern permit permanently revoked.
- 8) Any student admitted to the professional program that is not compliant with the immunization requirements of the College of Pharmacy.
- 9) Students failing to attend class.
- 10) Professional and/or ethical misconduct.
- 11) Inability to meet the technical standards of the College of Pharmacy.

DROPPING CLASSES OR WITHDRAWING FROM THE COLLEGE OF PHARMACY. Students admitted into the Doctor of Pharmacy Program in the College of Pharmacy are not allowed to withdraw from courses or from the College or University without academic consequences. Students withdrawing from courses without administrative support will receive a grade of "W" which will be treated as a grade of "F" for academic standards purposes. Students withdrawing from the College or University without administrative support may not resume activities in the College unless they are readmitted to the Doctor of Pharmacy Program.

Students wishing to take a leave of absence or withdraw from the program with administrative support must send a written request to the Associate Dean of Academic Affairs in the College of Pharmacy. To receive

administrative support for withdrawal, students must demonstrate and document a significant hardship that will impact their ability to continue in the program. Failure to maintain appropriate progress or achievement in a course is not sufficient hardship to acquire administrative support. The request will be reviewed by the Associate Dean of Academic Affairs in consultation with the Office of Student and Professional Affairs. Students receiving administrative support for withdrawing from the program will sign a letter of agreement from the Associate Dean of Academic Affairs which states the reason they are withdrawing from the program, when they will return to the program, remediation or developmental programs that must be completed while on leave, and the status of the student upon returning to the program. Students withdrawing from the College of Pharmacy professional program with administrative support will be readmitted to the program upon completion of the requirements set forth in their letter of agreement. Students not complying with their letter of agreement will be dismissed from the program unless the letter has been modified with the consent of the Dean of the College of Pharmacy or his/her designee. Students withdrawing from the Doctor of Pharmacy Program without administrative support will be considered dismissed from the program and must appeal to the College of Pharmacy Academic Standards Committee for readmission to the program.

APPEALS FOR STUDENTS WHO HAVE WITHDRAWN OR BEEN DISMISSED FROM THE COLLEGE OF PHARMACY. Students who have withdrawn from the University or College without administrative support or have been dismissed from the College of Pharmacy for academic reasons may appeal to the Academic Standards Committee for readmission to the program. The student should write a letter of appeal to the Chair of the Academic Standards Committee outlining and supporting their request to be readmitted to the program. The Academic Standards Committee will review the request and recommend appropriate action to the Dean of the College of Pharmacy. The Dean or his designee will communicate the decision to the student in question via certified mail.

Students dismissed from the College for professional or ethical reasons, may appeal to the Ethics and Professional Conduct Committee for readmission to the program. The student should write a letter of appeal to the Ethics and Professional Conduct Committee outlining and supporting their request to be readmitted to the program. The Ethics and Professional Conduct Committee will review the request and recommend appropriate action to the Dean of the College of Pharmacy. The Dean or his designee will communicate the decision to the student in question via certified mail.

Students who have withdrawn from the University or College without administrative support or who have been dismissed from the College for violation of academic or ethical and professional standards will not be allowed to reapply for admission as a first time student, and can only be readmitted to the College via the appropriate committee.

Any decision for readmission to the program may include conditions of remediation or development, including but not limited to repeating all or part of the program the student has already completed, that must be successfully completed for the student to reenter or remain in the program.

DEGREE REQUIREMENTS

In addition to meeting the general requirements for graduation for the University, the candidate for the Doctor of Pharmacy degree must, after completing the requirements of the pre-professional preparatory coursework, be enrolled in the professional pharmacy curriculum for a minimum of four academic years (eight semesters or equivalence) and have earned a minimum grade of "C" in all courses comprising the degree requirements. Courses graded on a credit (C), no credit (NC) basis are excluded. In addition to meeting minimum course grade requirements, students must meet programmatic requirements for graduation which may include but not be limited to attendance at student convocations, participation in professional development programs and successful completion of progression and/or competency exams. Finally, students must demonstrate the professional maturity and demeanor necessary to succeed in the profession of pharmacy.

COMPUTER LITERACY

Computer literacy for pharmacy majors is defined as an ability to effectively utilize representative commercially available pharmacy applications software in pharmacy practice. Each student must demonstrate computer literacy. Students entering the College of Pharmacy professional program should be well versed in common computer applications such as electronic mail, internet applications, word processing, presentation software, and data management software such as MS Excel(R) and MS Access(R). Students who have never used a personal computer for common applications such as word processing are encouraged to complete Computer Science 170 (or equivalent) prior to enrolling in the professional pharmacy program.

EXPERIENTIAL PROGRAM POLICY

The experiential program component of the professional pharmacy curriculum consists of supervised experiences of six weeks duration each to be completed at affiliated practice sites. This experiential component begins with mandatory registration in supervised experiences during the summer preceding both the second and third professional years of the professional program and culminates with additional supervised clinical experiences distributed over an eleven-month period beginning in May of the student's fourth year. To accommodate the non-standard nature of the academic calendar relating to the experiential program in the student's final year, two non-standard academic terms are

scheduled. Each term is equivalent in cost to a regular semester but is structured around an academic calendar that is unique to the final year of the Doctor of Pharmacy Program. Students must enroll in their first advanced practice experiences in the first non-standard term. In addition, students must attend a mandatory practice experience orientation in the month of May preceding the start of experiences. Failure to attend this orientation may result in a delayed graduation date.

Although the primary administrative and instructional facilities of the College of Pharmacy are housed at the University of Louisiana at Monroe, the program has numerous off-campus clinical affiliates located inside and outside of Louisiana. Students may be required to relocate for advanced practice experiences in the final year of the program. Because local sites are limited and demand is great, standing in the program, among other criteria, may be used to allocate advanced practice experience sites. The student is referred to the Introductory and Advanced Practice Experience Manuals for complete policy and procedures governing the experiential component of the program.

DOCTOR OF PHARMACY CURRICULUM FOUR YEAR PROGRAM

First Professional Year

(Fall & Spring Semesters, Summer Term)	Hrs.
Pharmacy 300	1
Pharmacy 350	3
Pharmacy 402	4
Pharmacy 403	3
Pharmacy 407	3
Pharmacy 408	2
Pharmacy 409	3
Pharmacy 411	3
Pharmacy 412	3
Pharmacy 425	3
Pharmacy 436	1
Pharmacy 447	3
Pharmacy 451	3
Pharmacy 480	3
Total	<u>38</u>

Second Professional Year

(Fall & Spring Semesters, Summer Term)	
Pharmacy 410	3
Pharmacy 413	4
Pharmacy 414	4
Pharmacy 418	2
Pharmacy 424	4
Pharmacy 432	3
Pharmacy 446	3
Pharmacy 481	3
Pharmacy 585	4
Pharmacy 586	5
Pharmacy Electives	<u>2</u>
Total	37

Third Professional Year

(Fall & Spring Semesters)

Pharmacy 385	2
Pharmacy 445	1
Pharmacy 454	3
Pharmacy 503	2
Pharmacy 515	3
Pharmacy 574	3
Pharmacy 587	5
Pharmacy 588	4
Pharmacy 589	2
Pharmacy Electives	<u>8</u>
Total	33

Fourth Professional Year

(Non-Standard Pharmacy Terms I & II)

Pharmacy 634	6
Pharmacy 635	6
Pharmacy 636	6
Pharmacy 637	6
Pharmacy 638	6
Pharmacy 639	6
Pharmacy 640	<u>6</u>
Total	42
Total hours for degree, 253 (includes preparatory coursework)	

DEPARTMENT OF TOXICOLOGY

Baer, Banks, Blaylock, Herrock, Mehendale, Meyer

The undergraduate Toxicology program consists of a four-year curriculum which includes a solid foundation in basic sciences, a broad background in the science of Toxicology with several highly specialized courses, and sufficient courses in other areas to provide the student with a well rounded education. The concept of a broad background with certain specialized courses is intended to allow the graduate to fit into any of several aspects of toxicology, including industrial hazard control, environmental pollution control, product safety assessment, forensic toxicology, and toxicology research.

The Toxicology major can also be used to fulfill the Pre-Pharmacy requirements for admission to Pharmacy School. See Toxicology in the Courses of Instruction section.

ADMISSION TO THE PROGRAM IN TOXICOLOGY

Applicants for admission to the undergraduate program in Toxicology must meet the general admission requirements for admission to the University. Applications are to be submitted to the University Admissions Office.

TOXICOLOGY

Freshman Year

	Hrs.
Core English Composition*	6
Core Fine Arts*	3
Core Mathematics*	6
Core Social Science*	3
Biology 120 ^{enp} , 121	4
Chemistry 107 ^{enp} , 108 ^{enp} , 109, 110	8
Computer Science 170	3
FRYS 101	(1)
Total	33

Sophomore Year

Biology 214, 215; 311; 312, 313.....	11
Chemistry 230, 231, 232, 233	8
Mathematics 116 ^{cm}	3
Physics 203, 209; 204	7
Toxicology 101; 201	4
Total	33

Junior Year

Core Humanities*	3
Core Social Science*	3
Chemistry 240, 241, 350, 407	12
English 320.....	3
Track Elective**	3
Toxicology 411; 413	4
Total	28

Senior Year

Core Humanities Elective*	6
Toxicology 301	3
Track Elective**	3
Track Elective**	3
Toxicology 412, 414, 424, 441, 442, 443,; 491 ^{uc}	16
Total	31

Total hours for degree, 125.

*Students should see the Core Curriculum requirements on pages 78 and 116.

** Students choosing Toxicology as a major will be required to choose from one of the following Toxicology Tracks following completion of Toxicology 101: General, Environmental, Forensic, Industrial Hygiene. See Toxicology in the Courses of Instruction section.

COURSES OF INSTRUCTION

Courses numbered 0 to 99 are developmental and credits may not be used to satisfy degree requirements. Courses numbered 100 to 199, freshman; 200 to 299, sophomore; 300 to 399, junior; 400 to 499, senior; 500 to 599, graduate; 600 to 799, graduate courses beyond the master's level. Where indicated, certain 400-level courses are accepted for graduate credit.

The number after each course title indicates the semester hours credit. CR (credit) or NC (no credit) after a course title indicates a pass/fail course with no semester hours credit.

An abbreviation following a course description indicates the semester or summer term the course will normally be offered: F—fall semester; Sp—spring semester; Sum—entire summer session; Sum I—first summer term; Sum II—second summer term. The word “even” or “odd” follows the description of a course which is offered only in alternate years.

Students may not enroll in more than one section of the same course specified in the University catalog without approval of the Registrar. Students who register for more than one section of the same course may be arbitrarily dropped from one of the sections without notice.

Class pre-requisites must be completed as prescribed by the most current catalog, regardless of the catalog or curriculum in effect for any student. Students who do not meet course qualifications or who have not completed pre-requisites for a course may be arbitrarily dropped without notice.

The courses that are listed in this catalog may be offered for credit in a variety of formats, including electronically mediated teaching.

ACCOUNTING (ACCT)

Required for a major: 308, 310, 311, 320, 330, 410, 420, three-hour 400-level Accounting elective, Business Law 440, Computer Information Systems 215—Total of 30 semester hours.

Required for a minor: Accounting 212, 213, 310, 311, 320, 330—Total of 18 semester hours.

400-level accounting courses are open only to juniors/seniors in the College of Business Administration, or with permission of department head.

For Undergraduates Only

- 110. SURVEY. 3 cr.** Fundamental principles and managerial applications; data processing. Designed to meet the needs of students majoring in subjects outside the College of Business Administration. Not open to majors in the College of Business Administration. F, Sp
- 212. INTRODUCTORY FINANCIAL ACCOUNTING. 3 cr.** Fundamental transaction recognition and recording for corporations with special emphasis on the balance sheet and income statement. Prerequisites: Completion of all developmental requirements and sophomore standing, or permission of department head. F, Sp, Sum
- 213. INTRODUCTORY MANAGERIAL ACCOUNTING. 3 cr.** Cash flow and financial statement analysis and fundamental managerial accounting principles related to product costing and use of information in organizational decision-making. Prerequisite: 212. F, Sp, Sum
- 307. TECHNOLOGY FOR ACCOUNTANTS. 3 cr.** The integration of basic software programs into the accounting curriculum and the use of typical accounting software programs to reinforce accounting concepts in an interactive case setting. Prerequisites: minimum grades of “C” in 213 and CSCI 170, and junior standing. F, Sp
- 308. ACCOUNTING INFORMATION SYSTEMS. 3 cr.** Identification of distinct information systems knowledge required by accountants. Survey of effect of computers on accounting systems. Analysis of internal controls and cycles of accounting systems, both manual and computer. Prerequisites: 213, CSCI 170. F, Sp
- 310. INTERMEDIATE I. 3 cr. each.** First in a two-course sequence intended to study the theory and application of financial reporting for business entities. Prerequisites: minimum grades of “B” in 212 and 213 and junior standing. F, Sp, Sum
- 311. INTERMEDIATE II. 3 cr.** Second in a two-course sequence intended to study the theory and application of financial reporting for business entities. Prerequisites: minimum grade of “C” in 310 and junior standing. F, Sp, Sum
- 315. MANAGERIAL. 3 cr.** Accounting as an aid to management; use of accounting techniques, reports, analyses, and interpretations in decision making. Not open to accounting majors. Prerequisites: Junior standing. Credit toward a degree will not be granted for both 315 and 213.
- 317. TAX FUNDAMENTALS. 3 cr.** Tax problems of individuals, with emphasis on planning to minimize taxes. Not open to accounting majors. Prerequisite: 212 and 213; junior standing.
- 319. INSURANCE ACCOUNTING. 3 cr.** The use of accounting information to evaluate the financial stability and the financial strength of insurance companies. Not open to accounting majors. (Same as INSU 319). Prerequisite: INSU 205; Junior standing or permission of department head. Sp
- 320. COST. 3 cr.** Basic concepts and procedures involved in accounting for raw materials, direct labor, and manufacturing overhead in job order, process, and standard cost accounting systems. Prerequisites: minimum grades of “C” in 212 and 213; junior standing. F, Sp, Sum
- 321. ADVANCED COST. 3 cr.** Analysis and use of cost data as an aid to operational control and profit planning. Prerequisite: Minimum grade of “C” in 320.
- 330. INCOME TAX. 3 cr.** The Federal Income Tax Law; preparation of returns for individual taxpayers. Prerequisites: minimum grades of “C” in 212 and 213; junior standing. F, Sp
- 391. FINANCIAL. 3 cr.** Introductory course in financial accounting intended for graduate students having no previous credit in accounting courses. Prerequisite: Open only to those who have not received credit in Accounting 212 and 213.
- 410. INTERNATIONAL AND ADVANCED ACCOUNTING TOPICS. 3 cr.** Topics include international GAAP; foreign currency transactions and translations; consolidations; and other advanced accounting issues. Prerequisite: Minimum grade of “C” in 311. F, Sp
- 411. ADVANCED II. 3 cr.** Various advanced accounting topics including partnerships, governmental, and consignments. Prerequisite: Minimum grade of “C” in 311.
- 420. AUDITING. 3 cr.** Auditing theory and procedures. Prerequisites: Minimum grades of “C” in 308 and 310. F, Sp

For Undergraduates and Graduates

- 421. **ADVANCED AUDITING. 3 cr.** Auditing procedures and practices with special emphasis on the CPA examination. Prerequisite: Minimum grade of "C" in 420 or permission of department head.
- 430. **THEORY. 3 cr.** Accounting principles and procedures and the theoretical framework on which they rest; selected specialized topics; emphasis on publications of the AICPA and AAA. Prerequisite: Minimum grade of "C" in 311 or permission of department head.
- 431. **ADVANCED INCOME TAX. 3 cr.** Income tax applicable to partnerships and corporations; various other taxes; research of tax problems. Prerequisite: Minimum grade of "C" in 330 or permission of department head. Sp
- 432. **GOVERNMENTAL. 3 cr.** Accounting, reporting, and auditing as related to governmental and other not-for-profit organizations. Prerequisites: Minimum grade of "C" in 310; credit or enrollment in 311. F

**ADULT EDUCATION
(ADED)**

For Undergraduates and Graduates

- 402. **FOUNDATIONS OF ADULT EDUCATION. 3 cr.** A comprehensive study of Adult Education with emphasis on historical background and current developments. Adult Education and Literacy Acts, teacher certification, extent and consequences of illiteracy, characteristics of adult learners, special-needs groups, and resources.
- 410. **METHODS AND MATERIALS IN ADULT EDUCATION. 3 cr.** The course will aid teachers in developing skills, techniques and strategies for teaching basic skills to the adult learner. There will also be a focus on organizing instructional materials to promote effective learning. (Formerly Curriculum and Instruction 410.)
- 488. **PRACTICUM IN ADULT EDUCATION. 3 cr.** Program to give supervised teaching experience in a variety of Adult Education settings. Prerequisites: 402, 410.

**AGRICULTURE
(AGRI)**

Undergraduate Requirements

Required for Agribusiness: Agriculture 101 or 103; 110, 301, 310; Agricultural Business 201, 203, 305, 307, 310, 423, 461; Agronomy 201, 411; Animal Science 101; and 23 additional hours of approved application electives. A maximum of 6 hours of AGRI 411, 412, 413, or 495 may be applied toward the B.S. Degree. Total of 65 semester hours.

Required for a minor in Agriculture: 20 semester hours selected from courses in Agriculture, Agricultural Business, Agronomy or Animal Science.

For Undergraduates Only

- 101. **PLANT SCIENCE. 4 cr.** Principles of agronomic plant production, improvement, maintenance, harvest, storage, marketing and utilization. Three hours lecture and two hours laboratory.
- 103. **PLANT SCIENCE. 4 cr.** Principles of horticulture plant production, improvement, maintenance, harvest, storage, marketing and utilization. Three hours lecture and two hours laboratory.
- 110. **AGRICULTURAL CAREERS. 1 cr.** An introduction to academic and employment opportunities in agriculture careers.
- 115. **AGRICULTURAL SAFETY. 1 cr.** Recognition and applied solutions as related to farm machinery, livestock, chemicals, and other related agricultural hazards. Emphasis will be placed on both the ethics and liabilities associated with farm safety.

- 301. **AGRICULTURAL STATISTICS. 3 cr.** Planning, conducting, and interpreting agricultural experiments. Topics include central tendency measures and dispersion, hypothesis, hypothesis testing, and statistical inferences as applied to agricultural data. Prerequisite: MATH 110 or 111, 116.
- 310. **AGRICULTURAL LECTURES. 1 cr.** Lectures to be presented by professional agriculturists. Students will present oral and written interpretations of current topics relating to agriculture.
- 401. **ANIMAL AND PLANT IMPROVEMENT. 3 cr.** Application of the scientific methods, principles, and techniques of mating and selection systems to improve economically important traits in animal and plant populations.
- 405. **IRRIGATION PRACTICUM. 3 cr.** Principles and techniques in irrigation system design.
- 411-412-413. **INTERNSHIP IN AGRICULTURE. 3 cr.** each. Supervised work experience with industry in the use of materials and equipment related to the student's major field of interest. Six (6) hours maximum towards B.S. Degree. Prerequisite: Approval of department head.
- 429. **INTEGRATED PEST MANAGEMENT. 4 cr.** Principles of insect pest management, identification, and control/management systems. Three hours lecture and two hours laboratory. Prerequisite: AGRI 101 or 103. (Formerly AGRI 425, 426).
- 430. **WEED SCIENCE AND ECOLOGY. 4 cr.** Principles of weed science, weed identification, spread, reproduction, and control/management systems. Three hours lecture and two hours laboratory. Prerequisite: AGRI 101 or 103. (Formerly AGRI 427, 428).
- 495. **AGRICULTURAL RESEARCH. 3 cr.** Student participation in research projects in the areas of A. Agriculture; B. Agricultural Economics; C. Animal Scienc. Two to three hours per week per credit hour. Prerequisites: Junior or senior standing in agriculture and approval of department head.

For Undergraduates and Graduates

- 406. **PLANT PATHOLOGY. 4 cr.** A study of signs, symptoms, and syndromes as they relate to the causal agents and control of plant diseases. Three hours lecture and two hours laboratory. Prerequisites: BIOL 120, 121, BIOL 214. Field trip fee required. (Formerly AGRI 403, 404).
- 435. **PRINCIPLES OF GIS. 3 cr.** Introduction to techniques for analyzing, displaying, and managing geographic data topics including: structure of geographic data bases, principles of digital cartography, basic spatial statistics, and analysis of spatial relationships using GIS. Prerequisite: Junior, senior, or graduate standing (Same as GEOS 435).
- 491. **DIRECTED STUDY. 1-6 cr. Maximum, 6 cr.** Individualized work on special problems in: A. Soil Science; B. Plant Science; C. Animal Science; D. Agriculture Business; E. Equine Science; F. Agriculture Biometrics. Prerequisite: Approval of department head.

**AGRICULTURAL BUSINESS
(AGRB)**

Required for an Agricultural Economics minor: 21 semester hours of Agricultural Economics courses.

- 101. **FUNDAMENTALS OF AGRIBUSINESS ANALYSIS. 4 cr.** This course introduces students to the fundamental tools of quantitative analysis in agribusiness. Topics include time value of money, economic indices, enterprise budgeting, farm records and accounts, loan structures, macroeconomic indicators, spreadsheet and database techniques, and other quantitative methods used in agriculture. Sp
- 201. **INTRODUCTORY AGRICULTURAL ECONOMICS. 4 cr.** Identification of resources used in agriculture. Basic concepts, principles and applications of agricultural economics to the farm operation. Three hours lecture and two hours laboratory. (Formerly AGECE 201)

- 203. AGRICULTURAL MARKETING. 3 cr.** The principles and methods of marketing agricultural products and the institutions performing the various functions in the marketing of various commodities. Current trends and developments in the agricultural marketing process. (Formerly AGECE 203)
- 305. FARM BUSINESS RECORDS. 3 cr.** Fundamental principles for assimilation, organization, and analyses of farm records as applied to decision-making processes. Utilization of computers in farm records and accounting will be stressed. (Formerly AGECE 305) Prerequisite: AGRB 201.
- 307. ADVANCED AGRICULTURAL MARKETING. 3 cr.** Fundamental concepts of forward pricing. Introduction to forward contracting, the futures market, and options on agricultural futures. Emphasis is placed on forward pricing as a tool to reduce price risk. (Formerly AGECE 207) Prerequisite: AGRB 203.
- 310. AGRICULTURAL FINANCE. 3 cr.** Principles of agricultural finance emphasizing costs and returns from capital and credit, various types and sources of credit, development, characteristics and role of agricultural lending institutions. (Formerly AGECE 310) Prerequisite: AGRB 201.
- 311. AGRICULTURAL PRICE ANALYSIS AND FORECASTING. 3 cr.** Basic treatment of agricultural price analysis tools. Emphasis is placed on computer software and problem recognition. Course lectures concentrate on local commodities. (Formerly AGECE 311)
- 344. AGRIBUSINESS PRACTICUM. 3 cr.** Design, plan, and execute an approved agribusiness enterprise. May be used for elective credit only. May be repeated. (Formerly AGRI 344) Prerequisites: Junior standing.
- 421. ENVIRONMENTAL ECONOMICS. 3 cr.** Principles and methods for critically analyzing environmental issues from an economic and policy perspective. Review of current environmental issues with emphasis on agriculture related topics. (Formerly AGECE 421) Prerequisite: AGRB 201 or ECON 202.
- 423. FARM AND AGRIBUSINESS MANAGEMENT. 3 cr.** Managerial techniques applied to farm and agribusiness organizations, which include input-output relationships, enterprise combinations, and budget analysis. Emphasis will be placed upon typical decision-making problems encountered by farm and agribusiness managers. (Formerly AGECE 423) Prerequisite: AGRB 201.
- 461. AGRICULTURAL POLICY AND TRADE. 4 cr.** Effects of public policies on the food and agriculture sector, policy formation process, various domestic farm programs, and discussion on new farm bill. U.S. trade policies and factors affecting trade in farm products will be discussed. (Formerly AGECE 461) Prerequisite: AGRB 201 and 203.

AGRONOMY (AGRO)

Required for an Agronomy minor: Agriculture 101 or 103; Agronomy 201, 411, and 8 additional semester hours selected from: Agriculture 406, 429, 430; Agronomy: 301, 308, 309, 406, 413, or 414. Total of 20 semester hours.

For Undergraduates Only

- 201. SOILS. 4 cr.** Principles of soil science and the properties of soils as related to plant growth. Three hours lecture and two hours laboratory. Prerequisites: MATH 111, CHEM 101 or 107.
- 301. RESOURCE CONSERVATION AND MANAGEMENT. 4 cr.** Designing and laying out conservation practices necessary to reduce erosion. Emphasis will be placed upon surveying, mapping, drainage, terracing, water impoundment and safe water movement. Three hours lecture and two hours laboratory. Prerequisite: MATH 110 or 111. (Formerly AGMC 301).
- 308. ADVANCE FARM CROPS. 4 cr.** Varieties, species, genetics, breeding, cultural practices and uses of fiber and grain crops. Three hours lecture and two hours laboratory. Prerequisite: AGRI 101 or 103. (Formerly AGRO 304, 306).

- 309. FORAGE CROPS AND PASTURE MANAGEMENT. 4 cr.** Adaptation, production, establishment, utilization and management of forage crops and pastures. Three hours lecture and two hours laboratory. Prerequisite: AGRI 101 or 103. (Formerly AGRO 305, 307).
- 411. AGRICULTURAL CHEMICALS. 4 cr.** Herbicides, fungicides, insecticides and growth regulators and their uses. Three hours lecture and two hours laboratory. Prerequisites: CHEM 101 or 107.

For Undergraduates and Graduates

- 404. SOIL AND WATER RESOURCES. 3 cr.** The nature, distribution, use, and conservation of important soil groups; the efficient use, control, and storage of water in humid and arid regions; water pollution and its control.
- 413. SOIL FERTILITY AND CHEMICAL PROPERTIES. 4 cr.** The chemical and mineralogical properties of soils from the theoretical and technical viewpoints. Three hours lecture and two hours laboratory. Prerequisites: AGRO 201; CHEM 101, 105, or 107. (Formerly AGRO 405, 406).
- 414. SOIL CLASSIFICATION. 4 cr.** The origin, profile development, composition, and classification of soils. Three hours lecture and two hours laboratory. Prerequisite: AGRO 201. (Formerly AGRO 407, 408).

AIR FORCE AEROSPACE STUDIES (AFAS)

- 101. THE AIR FORCE TODAY I. 1 cr.** This course focuses on the basic characteristics of the air doctrine; U.S. Air Force mission and organization; functions of the U.S. strategic offensive and defensive, general purpose and support forces; officership; followership, military customs and courtesies, and an assessment of communicative skills.
- 102. THE AIR FORCE TODAY II. 1 cr.** A focus on U.S. Air Force installations and professions; introduction to flight; geographical awareness; U. S. defense policy; military balance; terrorism; and a study of the other branches of the Armed Services.
- 111. AFROTC LEADERSHIP LAB . 0 cr.** Study and practice of Air Force customs and courtesies, drill and ceremonies, and military commands. Grades of CR (credit) or NC (no credit) will be awarded. Must be taken in conjunction with AFAS 101.

ALLIED HEALTH SCIENCE (AHSC)

- 102. ORIENTATION TO ALLIED HEALTH PROFESSIONS. 3cr.** An on-line introduction to allied health and rehabilitation professions focusing upon roles, career paths, and collaborative training.
- 200. MEDICAL TERMINOLOGY. 2 cr.** Origin of words and principles of their construction. Definitions of medical terms, diseases, syndromes, and procedures are stressed. (Formerly AHSC 330)
- 430. A,B,C. INTERDISCIPLINARY STUDIES. 1 cr.** each. Interdisciplinary education for allied health and related areas. Students will utilize a problem-based learning approach. Prerequisite: 430 A for 430 B, 430 B for 430 C or permission of the instructor.

ANIMAL SCIENCE (ASCI)

Required for an Animal Science minor: 101, 307, 309, 341, 401, and 430. Total of 20 semester hours.

For Undergraduates Only

- 101. FARM LIVESTOCK. 4 cr.** The importance of general animal husbandry, its relation to good farming practices and contribution to agriculture and commerce. Three hours lecture and two hours laboratory.
- 201. BREEDS OF LIVESTOCK. 3 cr.** The origin, history, and characteristics of leading breeds of livestock. Prerequisite: ASCI 101.
- 205. PRACTICAL WORK WITH LIVESTOCK. 1 cr.** Dehorning, castration, methods of restraint, fitting for show, etc. Three hours laboratory. Prerequisite: ASCI 101.
- 307. ANIMAL PHYSIOLOGY. 3 cr.** An introduction to the study of veterinary science, dealing with the fundamental physiological processes of farm animals. Prerequisites: ASCI 101; BIOL 120, 121; CHEM 101, 103 or 107, 109.
- 309. INTRODUCTION TO VETERINARY SCIENCE. 3 cr.** An introduction to the study of veterinary science, dealing with both infectious and noninfectious diseases, parasites, parasitic diseases, and the establishment of immunity through the use of biological products in farm animals. Prerequisites: ASCI 101; BIOL 120, 121.
- 323. LIVESTOCK FEEDING. 3 cr.** Chemical composition of feeds, requirements of animals, utilization of nutrients, formulating and balancing rations. Prerequisites: ASCI 101; CHEM 101, 103 or 107, 109; MATH 110 or 111.
- 325. GENETICS. 3 cr.** Fundamental concepts of heredity at the molecular, cellular, organismic, and population levels. Nature of the genetic material and its involvement in the determination of structure and function. Consideration given to both classical and modern genetics. Prerequisites: BIOL 120, 121; CHEM 101, 103.
- 341. LIVESTOCK MANAGEMENT. 4 cr.** Systems of beef and sheep management including breeding, feeding, disease and parasite control, records, marketing and various management problems with their solutions. Three hours lecture and two hours laboratory. Prerequisites: ASCI 101, 323; MATH 110 or 111.
- 342. LIVESTOCK MANAGEMENT II. 4 cr.** Systems of swine and poultry management including breeding, feeding, disease and parasite control, records, marketing and various management problems with their solutions. Three hours lecture and two hours laboratory. Prerequisites: ASCI 101, 323; MATH 110 or 111.
- 401. NUTRITION. 3 cr.** Nutritional roles of carbohydrates, proteins, lipids, minerals, vitamins and water. Digestion, absorption, and use of nutrients and their metabolites. Prerequisites: ASCI 101, 323; BIOL 120, 121; CHEM 101, 103 or 107, 109.
- 405. PRACTICAL LIVESTOCK HANDLING. 1 cr.** Handling of livestock for sale, show, and general management procedures. Three hours laboratory. Prerequisite: ASCI 101.

For Undergraduates and Graduates

- 430. ARTIFICIAL INSEMINATION & EMBRYO TRANSFER. 3 cr.** Development and use of artificial insemination and embryo transfer techniques in modern livestock breeding programs. Two hours lecture and two hours laboratory. Prerequisites: ASCI 101, 341; CHEM 101 or 107; MATH 110 or 111.

ANTHROPOLOGY (ANTS or ANTG)

Required for a minor: Anthropology 111, 201, 307, 430 or Linguistics 451 and 6 additional hours in Anthropology—Total of 18 semester hours.

For Undergraduates Only

- 111. HUMAN ORIGINS AND EVOLUTION. 3 cr.** The study of the origin of and biogenetic heritage of humans; a survey of modern human racial variation; an introduction to archeological and prehistoric techniques of investigation regarding the changing physical form of humans. (Same as GEOG 111.)

- 120. PREHISTORIC ARCHEOLOGY OF THE BIBLE. 3 cr.** An introduction to prehistoric archeology of the Middle East and nearby areas that figure prominently in the Judeo-Christian Old Testament. Temporal scope includes the Paleolithic, Mesolithic, Neolithic, and the Chalcolithic Periods.
- 201. INTRODUCTION TO ARCHEOLOGY. 3 cr.** Survey of the history and development of archeology as a science, its place in the sciences, and an overview of the important material remains of past human life and activities in selected areas of the world. (Same as GEOG 201.)
- 207. CULTURAL ANTHROPOLOGY. 3 cr.** A comparative study of the life and organization of human groups throughout the world, with an emphasis on traditional societies. (Formerly ANTS and SOCL 307, SOCL 300E, and GEOS 400B.)
- 233. FORENSICS. 3 cr.** An overview of techniques applied in identification of human skeletal remains for the medicolegal professions, including assessment of age, sex, ancestry, trauma, and disease; occupational stress markers; procedures for search/recovery of human remains; and estimations of time since death. (Same as CJUS and SOCL 233.)
- 308. OLD WORLD ARCHEOLOGY. 3 cr.** A survey of the major archeological sequences of prehistoric Eurasia, Africa, and Oceania. (Same as GEOG 308.)

For Undergraduates and Graduates

- 410. THE ARCHEOLOGY OF LOUISIANA INDIANS. 3 cr.** An introduction to the archeology of Louisiana's Indian tribes from Paleo-Indian times (10,000 B.C.) through the historic period. Prerequisite: Junior or senior standing or permission of the instructor. (Same as GEOG 410.)
- 411. THE ARCHEOLOGY OF NORTHAMERICA. 3 cr.** The archeological background of North America from Mexico to the Arctic Circle; progressive states of development of prehistoric North American cultures. (Same as GEOG 411)
- 414. THE INDIANS OF NORTH AMERICA. 3 cr.** Survey of the distribution and principal regional lifeways of North American Indian groups prior to disruption, dispersal, and reservationizing. (Same as GEOG 414.)
- 421. THE ARCHEOLOGY OF MEXICO. 3 cr.** An in-depth view of the development of pre-Hispanic Mexican and Meso-American cultures and civilizations from Paleo-Indian times to the Spanish Conquest; an overview of the major archeological sites pertinent to these cultures. (Same as GEOG 421.)
- 422. LATIN AMERICA: PEOPLES AND INSTITUTIONS. 3 cr.** Description of indigenous social organizations prior to conquest. Survey of community ethnographic studies of African, Amerind, Asiatic and European cultures in contemporary rural and urban Latin America. Prerequisite: Sociology 307 or approval of department head. (Same as SOCL 422.)
- 423. ARCHEOLOGICAL FIELD TECHNIQUES. 6 cr.** A field course introducing the basic techniques of archeological mapping, excavation, cataloging, specimen preparation and preservation. A study of soils, physical stratigraphy, synecology, and techniques of artifact laboratory analysis. May be repeated once for a maximum of 12 hours credit. (Same as GEOG 423.)
- 430. BELIEF SYSTEMS. 3 cr.** The relationship between pre-literate belief systems and social structure; myths of creation, life cycle crisis, rites of passage, purity and pollution, witchcraft and supernatural illness. (Same as SOCL 430.)
- 435. ANTHROPOLOGY OF SEX ROLES. 3 cr.** An analysis of different values that define appropriate masculine and feminine behavior (sex roles) in a variety of cultures. Explores the impact of social institutions on teaching and enforcing sex roles in traditional and modern societies. (Same as SOCL 435.)

ARABIC (ARAB)

- 101-102. ELEMENTARY ARABIC. 3 cr. each.** Introduction to the script, pronunciation and grammar of Modern Standard Arabic. Reading, writing, aural comprehension and elementary conversation.
- 197, 198, 199. BEGINNING ARABIC. 1 cr. each** An independent study of elementary Arabic with an emphasis on the script, pronunciation, and grammar of Modern Standard Arabic.
- 201. INTERMEDIATE ARABIC. 3 cr.** The continuation on the intermediate level of modern standard Arabic. Prerequisite 102 or approval of department head.
- 202. INTERMEDIATE ARABIC. 3 cr.** Continued study of modern standard Arabic on the intermediate level. Prerequisite: ARAB 201 or approval of department head.
- 307. ARABIC CIVILIZATION. 3 cr.** Introduction to the religion of Islam and the intellectual and spiritual heritage of the Arabs. The early Arabs, the Revelation, theology, religious law, Sufism and modernist phenomena. Architectural, scientific, philosophical and literary developments.

ART (ART)

(Ceramics, Drawing, Graphic Design, Painting,
Photography, Printmaking, Sculpture)

Admission to the BFA Degree program is based upon:
1) 24 hours of Art courses and 2) portfolio evaluation of art work.

Undergraduate Requirements

Required for a major: 51 hours in the following core courses - 101, 102, 103, 104, 200, 201, 202; 203 or 204; 205, 246; 257, 258, 259, or 260; 271 or 272; 281, 404, 426, 429 and 300 (3 cr.), plus the completion of a major concentration and a senior presentation. The core required for a major includes at least one course in every medium; each of the seven concentrations requires the courses specified below (a total of 30 credits) in addition to the 51 hours in the core: Graphic Design (206, 405 (12 cr.), art electives (15 cr.)); Ceramics (203, 204, 401 (12 cr.), art electives (15 cr.)); Painting (271 or 272, 471 (12 cr.), art electives (15 cr.)); Photography (256, 455 (12 cr.), art electives (15 cr.)); Drawing (404 (9 cr.), art electives (21 cr.)); Printmaking (9 credits from 257, 258, 259, or 260; 451 (6 cr.), art electives (15 cr.)); Sculpture (381, 481 (12 cr.), art electives (15 cr.)). A total of 81 semester hours in art is required with a grade of "C" or better in each course.

Required for a minor: 101, 102, 103, 201, 202; 258, 259 or 260; 271 or 272, and 3 semester hours of crafts courses—Total of 24 semester hours.

Required for a minor (specialization): 101, 201, 202, and 15 hours of specialization may be chosen from among those offered in the Division of Art—Total of 24 semester hours.

The last 18 hours in Art must be taken at ULM.

For Undergraduates Only

- 101. BASIC DESIGN. 3 cr.** Introduction to art structure and general analysis of the principles and elements of design. One hour lecture and five hours studio. Additional course fee \$50.

- 102. THREE DIMENSIONAL DESIGN. 3 cr.** Application of basic principles and elements of design to three dimensional problems. One hour lecture and five hours studio. Prerequisite: 101. Additional course fee \$50.
- 103. DRAWING. 3 cr.** Beginning drawing in a variety of media. One hour lecture and five hours studio. Additional course fee \$50.
- 104. FIGURE DRAWING. 3 cr.** Drawing made from models. Six hours studio. Prerequisite: 103. Additional Course Fee \$50.
- 109. ART APPRECIATION. 3 cr.** A general orientation and understanding of visual and plastic art forms. For non-art majors.
- 200. ANALYTICAL PERSPECTIVE. 3 cr.** The principles of geometry in the development of spatial logic and imagery in one-point, two-point, and isometric perspective will be used. Techniques in rendering support procedures in architecture, illustration, and industrial and environmental design. For art majors and non-art majors. Six hours studio. (Formerly Art 403, Analytical Perspective). Additional course fee \$50.
- 201-202. SURVEY. 3 cr. each.** Basic concepts and styles in art from prehistoric to present times.
- 203. HANDBUILDING CERAMICS. 3 cr.** Lectures and demonstrations on fundamental methods of forming, glazing, and firing ceramics. One hour lecture and five hours studio. Additional course fee \$50.
- 204. WHEEL THROWING CERAMICS. 3 cr.** Lectures and demonstrations on use of the potter's wheel. One hour lecture and five hours studio. Additional course fee \$50.
- 205. GRAPHIC DESIGN. 3 cr.** Introduction to graphic design concepts and media common to advertising and commercial art. Emphasis on communication through the visual idiom. One hour lecture and five hours studio. Prerequisite: 101 and 103 or approval of department head. (Formerly Advertising Design 205.) Additional course fee \$50.
- 206. GRAPHIC DESIGN. 3 cr.** Typography, its usage as a design element, the layout and design of publications and introduction to commercial production methods. One hour lecture and five hours studio. Prerequisite: 205. (Formerly Advertising Design 206.) Additional course fee \$50.
- 241. GENERAL CRAFTS. 3 cr.** Exploration of various craft media. Additional course fee \$50.
- 242. ARTS AND CRAFTS. 3 cr.** Application of methods and exploration of media for the exceptional child. One hour lecture and ninety minutes studio. Additional course fee \$50.
- 246. BLACK AND WHITE PHOTOGRAPHY. 3 cr.** Photographic theory and practical application of black and white photography. One hour lecture and five hours studio. Additional course fee \$50.
- 256. COLOR PHOTOGRAPHY. 3 cr.** Color photography research. One hour lecture and five hours studio. Prerequisite: 246 or equivalent. Additional course fee \$50.
- 257. LITHOGRAPHY. 3 cr.** Printing process with Bavarian limestone. One hour lecture and five hours studio. Prerequisite: 101 and 104 or approval of department head. Additional course fee \$50.
- 258. BLOCK PRINTING. 3 cr.** Printing process in wood and linoleum. One hour lecture and 5 hours studio. Prerequisite: 101 and 104 or approval of department head. Additional course fee \$50.
- 259. ETCHING. 3 cr.** Printing process with zinc plates. One hour lecture and five hours studio. Prerequisite: 101 and 104 or approval of department head. Additional course fee \$50.
- 260. SILKSCREEN. 3 cr.** Printing process with stencil techniques. One hour lecture and five hours studio. Prerequisite: 101 and 104 or approval of department head. Additional course fee \$50.
- 271. PAINTING. 3 cr.** Painting in acrylics. Six hours studio. Prerequisites: 101 and 104 or approval of department head. Additional course fee \$50.
- 272. PAINTING. 3 cr.** Painting in oils. Six hours studio. Prerequisites: 101 and 104 or approval of department head. Additional course fee \$50.
- 281. SCULPTURE. 3 cr.** Sculpture problems in a variety of media. One hour lecture and five hours studio. Prerequisite: 102 and 104 or approval of department head. Additional course fee \$50.

- 300. PORTFOLIO. 1 cr. Maximum 3 hrs.** Presentation of work at the sophomore, junior and senior levels of art leading to a professional quality portfolio upon graduation.
- 301. CALLIGRAPHY. 3 cr.** A comprehensive study of hand lettering. Variations in styles are complemented with a study of motifs executed in pen and ink. For art majors and non-art majors. Additional course fee \$50.
- 356. ADVANCED COLOR PHOTOGRAPHY. 3 cr.** Theory and practice of advanced color photography for the creative photographer. Prerequisites: Art 246 and 256, or permission of department head. Additional course fee \$50.
- 381. INTERMEDIATE SCULPTURE. 3 cr.** Further development of sculptural processes and techniques in a variety of media. One hour lecture and five hours studio. Prerequisite: 281. Additional course fee \$50.

For Undergraduates and Graduates

- 401. ADVANCED CERAMICS. 3 cr. Maximum, 12 hrs.** Origin and properties of ceramics raw materials and problems in glaze research. One hour lecture and five hours studio. Prerequisite: 203 or 204. Additional course fee \$50.
- 402. CREATING PAPER/CASTING AND MOLDING. 3 cr.** Study and processing of basic skills in creating paper from laminations to cast paper. One hour lecture, 5 hours laboratory per week. Prerequisite: 101. Additional course fee \$50.
- 404. ADVANCED DRAWING. 3 cr. Maximum, 12 hrs.** Advanced drawing. Primarily life drawing in a variety of media. Six hours studio. Prerequisite: 104. (Formerly 303.) Additional course fee \$50.
- 405. ADVANCED GRAPHIC DESIGN. 3 cr. Maximum, 12 hrs.** Design problems to develop professional studio skills and practices in graphic design. Develop methods of problem solving with specific production limitations. Methods of presentation. One hour lecture and five hours studio. Prerequisite: 206. (Formerly 305; Advanced Advertising Design 405.) Additional course fee \$50.
- 406. COMPUTER ART. 3 cr.** Decision making with the graphic computer, creation to production. Computer-aided visual design including image origination as well as input, output, selection, editing, alteration, and manipulation. Prerequisites: Art 101, 103; Computer Science 170, or approval of department head. Six hours studio. Additional course fee \$50.
- 407. RAKU CERAMICS. 3 cr.** Lecture and demonstrations on use of Raku ceramics, including kiln construction and firing. One hour lecture and five hours studio. Additional course fee \$50.
- 408. ART APPLICATIONS IN TEACHING. 3 cr.** Mixed media; drawing multi-image processes, enlargement techniques, and three-dimensional poster material are utilized in visual aid techniques. Additional course fee \$50.
- 409. TECHNIQUES IN THE FINE ARTS. 3 cr.** A study, analysis, and participation in the productions of various media in the fine arts such as drawing, painting, printing, and sculpture. Additional course fee \$50.
- 411. ART EDUCATION FOR THE ELEMENTARY SCHOOL. 3 cr.** This course is designed to present art education students with concepts, methods, and experiences used in creating art activities with children at the elementary level. For juniors, seniors and graduates only. Additional course fee \$50.
- 412. ART EDUCATION. 3 cr.** A lecture/discussion/experience course designed to present art education students with theories, strategies, and experiences in designing and teaching art activities. For juniors, seniors, and graduates only. Additional course fee \$50.
- 418. INCLUSIVE ART INSTRUCTION. 3 cr.** Objectives, methods, and materials used in teaching gifted, talented, and other diverse learners. For juniors, seniors and graduates only. Additional course fee \$50.
- 425. RENAISSANCE. 3 cr.** The visual arts in Italy from the early Renaissance through Mannerism. Prerequisite: 201, 202. (Formerly 325.)
- 426. NINETEENTH CENTURY. 3 cr.** Nineteenth Century European and American Rococo through Post-Impressionism periods. Prerequisites: 201 and 202, or approval of the department head.
- 429. CONTEMPORARY. 3 cr.** Twentieth century European and American Art. A study of the major achievements in painting, sculpture, and architecture since 1900. Prerequisite: 201, 202. (Formerly 329.)
- 431. WATERCOLOR. 3 cr.** Painting in watercolor. Prerequisites: 101 and 103, or approval of department head. Additional course fee \$50.
- 440. METALCRAFT AND JEWELRYMAKING. 3 cr.** The designing and fabrication of jewelry and small metal products. One hour lecture and five hours studio. Prerequisite: 102 or approval of department head. Additional course fee \$50.
- 441. SPECIAL PROBLEMS. 3 cr. per course.** Any area may be repeated. A maximum of 12 hours allowed toward the degree. A. Graphic Design; B. Ceramics; C. Painting; D. Photography; E. Drawing; F. Printing; G. Sculpture. Additional course fee \$50 .
- 443. SEMINAR IN ART HISTORY. 3 cr. Maximum, 12 hrs.** The study of various eras and developments in world art. A. Expressionism. B. Baroque. C. Far Eastern. D. Theory. E. Art Since 1965. F. Women Artists. G. Surrealism in Art. H. History of Photography. Prerequisites: Art 201 and 202, or approval of department head.
- 451. ADVANCED PRINTMAKING. 3 cr. Maximum, 12 hrs.** Research problems in printmaking; choice of media. One hour lecture and five hours studio. Prerequisites: 101, 103; 257, 258, 259 or 260. Additional course fee \$50.
- 455. ADVANCED PHOTOGRAPHY. 3 cr. Maximum, 12 hrs.** Individual instruction in planning and executing a personal response to the visual elements and creative composition. One hour lecture and five hours studio. Prerequisite: 246. Additional course fee \$50.
- 471. ADVANCED PAINTING. 3 cr. Maximum, 12 hrs.** Independent problems in choice of media; emphasis upon personal solutions. One hour lecture and five hours studio. Prerequisites: 271 or 272. Additional course fee \$50.
- 481. ADVANCED SCULPTURE. 3 cr. Maximum, 12 cr.** Advanced problems in sculptural processes and techniques. Emphasis upon individual creative expression. One hour lecture and five hours studio. Prerequisite: 381. Additional course fee \$50.
- 495. RESEARCH PROBLEMS. 3 cr. Maximum, 12 hrs.** Individual and group study with approval of department head. Research, discussion and criticism. Additional course fee \$50.

ATMOSPHERIC SCIENCES (ATMS)

Required for a major: 101, 102, 103, 104, 205, 303, 304, 305, 306, 307, 308, 315, 360, 401, 402, 407, 415, and 3 additional hours atmospheric sciences electives—
Total of 46 semester hours.

For Undergraduates Only

- 101. INTRODUCTION TO WEATHER AND CLIMATE I. 3 cr.** An introduction to the science of meteorology with an emphasis on the physical processes working within weather systems. Wind, pressure, precipitation, and radiation processes. Introduction to weather maps and forecasting.
- 102. INTRODUCTION TO WEATHER AND CLIMATE II. 3 cr.** Application of physical processes in global circulation of the atmosphere and oceans. Empiric and genetic climatology from a local, regional and global perspective. Global climate change and air pollution. Policy implications of meteorology and climate research.

- 103. BASIC METEOROLOGY LABORATORY I. 1 cr.** A laboratory course designed to expose students to basic uses of meteorological data from the surface, upper air, radars, and satellites. Topics include surface and upper-air map analysis, fronts and cyclones, and severe weather. Prerequisite: Credit or registration in ATMS 101.
- 104. BASIC METEOROLOGY LABORATORY II. 1 cr.** A laboratory course designed to expose students to basics of climatology. Topics include atmospheric elements, the earth's energy balance, climate regions, and global climate change. Prerequisite: Credit or registration in ATMS 102, 103.
- 110. MICROCOMPUTERS IN METEOROLOGY. 1 cr.** Two hours of laboratory work learning to operate personal computer systems dealing with meteorological data. Discussions will consider data distribution, reception and archival; IBM operating systems; Weathercapture software; DIFAX; and the PC-McIDAS network.
- 205. GENERAL METEOROLOGY. 3 cr.** Structure of the earth's atmosphere, distribution of temperature and precipitation, composition of the atmosphere, extratropical synoptic scale disturbances, introduction to thermodynamics, clouds and storms. Prerequisites: 101, 102, 103, and credit or registration in MATH 113.
- 303. ATMOSPHERIC THERMODYNAMICS. 3 cr.** Introduction to classical and statistical thermodynamics as it applies to dry and moist atmospheric phenomena. Ideal Gas Law, First and Second Laws of Thermodynamics. Thermodynamic potentials and diagrams. Moisture variables. Prerequisites: 205, and credit or registration in MATH 131 and PHYS 207.
- 304. INTRODUCTION TO ATMOSPHERIC KINEMATICS AND DYNAMICS. 3 cr.** Vector operations in meteorology, horizontal flow patterns, fundamental forces in the atmosphere, basic laws of conservation of momentum, mass and energy applied to the atmosphere. Prerequisites: 205, and credit or registration in MATH 131 and PHYS 207.
- 305-306. DYNAMIC METEOROLOGY. 3 cr. each.** A study of the dynamic principles governing the structure, movement, and development of weather systems. Introduction to numerical weather prediction. Prerequisite: 304, PHYS 207 and credit or registration in MATH 132.
- 307-308. METEOROLOGY LABORATORY. 1 cr. each.** Two hours of laboratory each, to accompany 305-306. The application of techniques, charts and diagrams in the analysis and study of meteorological practices and phenomena. Prerequisites: 205 and credit or registration in 305 and 306.
- 310. FUNDAMENTALS OF CLIMATIC ANALYSIS. 3 cr.** Fundamentals of the tabulation and analysis of climatic data, including computer data processing and statistical methods. Prerequisites: 102 and MATH 116.
- 315. PHYSICAL METEOROLOGY. 3 cr.** Introduction to physical principles underlying atmospheric radiation, cloud physics and precipitation processes. Prerequisite: 303 and PHYS 208.
- 320. METEOROLOGY SEMINAR. 1 cr. Maximum 4 cr.** Discussion and application of weather forecasting theories and techniques to current weather situations. Leading and participating in forecast map discussions. Forecast verification. Prerequisites: 303 and credit or registration in 305.
- 350. SPECIAL TOPICS IN OPERATIONAL METEOROLOGY. 3 cr.** Provides the students with work experience at a National Weather Service Forecast Office. Grade of CR (Credit) or NC (No Credit) will be awarded. Prerequisites: 303 and credit or registration in 305.
- 360. HUMAN AND ATMOSPHERE INTERACTION. 3 cr.** An interdisciplinary course that serves as the atmospheric sciences and University Capstone. Projects focus on anthropogenic impacts on and interaction with the atmosphere or impacts of the atmosphere on humans. Prerequisites: All core curriculum courses, ATMS 305, and ATMS 303.
- 401-402. SYNOPTIC METEOROLOGY. 3 cr. each.** Analysis of synoptic weather charts and thermodynamic diagrams in the Weather Research Center. Emphasis is on understanding the three-dimensional structure of the atmosphere. Interpretation of surface, upper air, radar, meteorological satellite weather data, and National Weather Service products received in the Weather Research Center. Prerequisite: 306, 308.
- 407. METEOROLOGICAL INSTRUMENTATION AND DATA. 3 cr.** A survey of the characteristics of meteorological instrumentation and techniques for machine (computer) processing meteorological data. Introduction to remote sensing techniques employing meteorological satellites and weather radar. Prerequisites: 303 and PHYS 208.
- 409. SEVERE STORMS. 3 cr.** An introduction to the dynamic and thermodynamic structure of severe local storms, including thunderstorms, tornadoes, and hail storms and a survey of techniques for forecasting the occurrence and movement of these storms. Prerequisites: 306 and 315.
- 411. TROPICAL METEOROLOGY. 3 cr.** An examination of the structure and dynamics of the tropical atmosphere. Convection in the tropics, tropical cyclones (hurricanes) and an introduction to monsoon circulation. Prerequisites: 303, 306, and PHYS 207.
- 415. MICROMETEOROLOGY. 3 cr.** Introduction to the physical processes in the atmospheric surface boundary layer. Influence of low level atmospheric turbulence on the diffusion of heat, water vapor (evaporation), and atmospheric pollutants. Prerequisites: 306 and 315.

For Undergraduates and Graduates

- 450. ATMOSPHERIC POLLUTION. 3 cr.** A study of elements, effects and meteorology of air pollution including the "Greenhouse" effect, acid rain, and ozone depletion problems. Air pollution modeling and prediction is also covered. Prerequisites: Completion of freshman mathematics requirements and CHEM 107.
- 460-461. METEOROLOGY FOR TEACHERS. 3 credits each.** An introduction to meteorology designed for elementary and secondary school science teachers. The courses are a blend of lecture, demonstrations, and hands-on work and are designed to be taken in sequence. The courses cannot be used to satisfy degree requirements in Atmospheric Science. Prerequisites: MATH 110 or 111. ATMS 460 prerequisite for ATMS 461.

AVIATION (AVIA)

Undergraduate Requirements

Required for a major: 101, 110, 111, 220, 230, 302, 310, 317, 402, 405, 415, 430, 470; Business 305; Management 301, 305. Total of 48 semester hours. To progress satisfactorily, a student must complete all required developmental courses, plus Aviation 110 and 111, with a grade of "C" or better, before enrolling in 300- or 400-level courses.

Required for a minor: 101, 110, 111, 230, 302, 317, 401. —Total of 21 semester hours.

For Undergraduates Only

- 101. INTRODUCTION. 3 cr.** Introduction to the history and development of aviation, with an analysis of its impact on national and international affairs. A non-technical survey.
- 102. INTRODUCTION TO SPACE TRAVEL. 3 cr.** An introduction to the history and technology of man's efforts in space including an analysis of the social and technological impact on global affairs of the American/Soviet space race. A non-technical survey.

- 110-111. PRIMARY GROUND INSTRUCTION. 3 cr. each.** Aircraft and principles of flight, aircraft systems and engines, weight and balance, and performance. Airports, communications, air traffic control, meteorology, navigation, radio aids to navigation, aeronautical charts, Aeronautical Information Manual, Federal Aviation Regulations, flight publications, and flight safety.
- 112. PRIVATE PILOT FLIGHT INSTRUCTION. 1 cr.** Flight instruction and solo practice required for FAA private pilot certificate. Course completion requires that the certificate be issued. Grades of CR (Credit) or NC (No Credit) will be awarded.
- 220. INSTRUMENT PILOT GROUND SCHOOL. 3 cr.** Meteorology, federal regulating on air traffic control procedures, navigation radio communications, automatic direction finding, VHF omnidirectional radio range, LORAN and GPS navigation, radar, chart reading clearance coping. Prerequisite: Private or commercial pilot certification or department head approval.
- 221. INSTRUMENT GROUND TRAINER LAB. 3 cr.** Development of skills of scan, interpretation, and control for instrument flight. Prerequisite: 220 or concurrent enrollment.
- 222. INSTRUMENT PILOT FLIGHT INSTRUCTION. 3 cr.** Flight instruction required for FAA instrument pilot rating, given in actual or simulated instrument meteorological conditions. Course completion requires that the rating be issued. Grades of CR (Credit) or NC (No Credit) will be awarded. Prerequisite: Private pilot certificate. (Formerly 332)
- 230. AVIATION PROFESSIONALISM. 3 cr.** Aviation career opportunities and career paths; responsibilities of the aviation professional; professional ethics; decision-making; stress management; substance abuse. (Formerly 330)
- 301. AERODYNAMICS. 3 cr.** Analysis of the physics of flight including the application of basic aerodynamics to the wing and airfoil and the analysis of lift and drag components relative to the wing platform and airplane performance. The application of aerodynamic effects of turbo jet engines involving the principles of propulsion. Prerequisite: private pilot certificate or approval of department head.
- 302. AVIATION WEATHER. 3 cr.** The interpretation of meteorological phenomena affecting aircraft flight. A study of the basic concepts of aviation meteorology; temperature, pressure, moisture, stability, clouds, air-masses, fronts, thunderstorms, icing, and fog. Analysis and use of weather data for flight planning and safe flying; interpretation of United States Weather Bureau maps, reports and forecasts.
- 310. COMMERCIAL GROUND INSTRUCTION. 3 cr.** Advanced principles of flight, advanced navigation, aircraft systems, advanced meteorology. Aeronautical knowledge required for Commercial Pilot Certification. Prerequisite: Private Pilot Certification or approval of department head.
- 311. COMMERCIAL PILOT FLIGHT INSTRUCTION. 3 cr.** Flight instruction and practice required for FAA commercial pilot certificate. Course completion requires that the certificate be issued. Grades of CR (Credit) or NC (No Credit) will be awarded. Prerequisite: Private pilot certificate with instrument rating. (Formerly 212-213-214)
- 317. FEDERAL AVIATION REGULATIONS. 3 cr.** Those parts of Title 14, Code of Federal Regulations, Chapter I, that are pertinent to pilots, flight instructors, and aviation administrative professionals.
- 340. MULTIENGINE PILOT GROUND SCHOOL. 3 cr.** Aeronautical knowledge required for FAA multiengine pilot rating. Prerequisites: 301, 310. (Formerly 321).
- 341. MULTIENGINE PILOT FLIGHT INSTRUCTION. 1 cr.** Flight instruction required for FAA multiengine pilot rating. Course completion requires that the rating be issued. Grades of CR(Credit) or NC(No Credit) will be awarded. Prerequisites: 340 or concurrent enrollment; Commercial pilot certificate with instrument rating. (Formerly 321).
- 401. AIR TRANSPORTATION. 3 cr.** The development and present status of air transportation, federal legislation, characteristics and classification of air carriers; the organization and function of the Federal Aviation Administration.
- 402. AIR TRAFFIC ADMINISTRATION. 3 cr.** The National Aerospace System. The role of Air Traffic Control in aviation safety. For Aviation Majors. Prerequisites: 110, 111.
- 405. AVIATION SAFETY. 3 cr.** A comprehensive study of aviation safety in both civilian flying and the commercial aviation industry; air transportation safety in the areas of regulations, analysis, accident investigation, and human factors; FAA flight standards and rule making; airline safety, and managing human error.
- 410. FLIGHT INSTRUCTOR GROUND SCHOOL. 3 cr.** Instructional knowledge required for FAA flight instructor certificate. Prerequisite: Commercial pilot certificate with instrument rating. (Formerly 313).
- 411. FLIGHT INSTRUCTOR FLIGHT INSTRUCTION. 1 cr.** Flight instruction required for FAA flight instructor certificate. Course completion requires that the certificate be issued. Grades of CR(Credit) or NC(No Credit) will be awarded. Prerequisite: 410 or concurrent enrollment. (Formerly 314).
- 413. INSTRUMENT FLIGHT INSTRUCTOR GROUND SCHOOL. 3 cr.** Instructional knowledge required for FAA instrument rating on flight instructor certificate. Prerequisite: 411.
- 414. INSTRUMENT FLIGHT INSTRUCTOR FLIGHT INSTRUCTION. 1 cr.** Flight instruction for FAA instrument rating on flight instructor certificate. Course completion requires that the rating be issued. Grades of CR (Credit) or NC (No Credit) will be awarded. Prerequisite: 413 or concurrent enrollment.
- 415. AIRCRAFT ENGINES AND SYSTEMS. 3 cr.** Advanced aircraft engines and systems of a typical large twin pressurized turboprop, including warning systems, doors, electrical, lighting, fuel, engines, fire protection, hydraulics, flight controls, stall warnings, avionics, TCAS, EGPWS, communications, landing gear, pneumatics, air conditioning, pressurization, oxygen, ice protection, APU, and emergency equipment. Prerequisite: minimum grades of "C" in 110 and 111, completion of all 100-level English and Math courses, or instructor approval. (Formerly 416)
- 420. AIRLINE TRANSPORT PILOT GROUND SCHOOL. 3 cr.** Aeronautical knowledge required for FAA airline transport pilot certificate. Prerequisite: Unlimited commercial pilot certificate.
- 430. AVIATION LAW. 3 cr.** National and international regulatory and civil law as it relates to aviation and the aviation professional.
- 470. AIRPORT ADMINISTRATION. 3 cr.** Aeronautical and regulatory knowledge required of public airport managers.
- 471. AIRPORT PLANNING AND OPERATIONS. 3 cr.** Elements of planning and developing an airport.
- 472. AIR TRANSPORTATION LOGISTICS. 3 cr.** Transportation economics and logistics, including systems of goods movement, principles of transportation, logistics, costs and services, rate making, management and coordination.
- 479. PROFESSIONAL INTERNSHIP IN AIRPORT/AVIATION MANAGEMENT. 3 cr., 6 cr. maximum.** On-the-job training, exposure to day-to-day administration, operation and planning of an airport or aviation business.
- 491. DIRECTED STUDY. 1-3 cr. Maximum, 6 cr.** Directed study in: A. Aviation Course Construction; B. Problems of Aviation Management; C. Problems of Aviation Traffic Control; D. Aviation/Inter-modal Transportation; E. Aerospace Research and Development. Prerequisite: Junior or Senior Aviation major.

For Undergraduates and Graduates

- 403. AEROSPACE EDUCATION. 3 cr.** Fundamentals of flight. Aeronautical knowledge equivalent to that required by the Federal Aviation Administration private pilot written examination. For Aerospace Education teachers, K-12.
- 404. ADVANCED AEROSPACE EDUCATION. 3 cr.** Provides Aerospace Education teachers with advanced technological orientation, and foundation in the aerospace career fields.

451. ADVANCED AEROSPACE SEMINAR. 1-3 cr. Problems in aerospace development, history, organization and management. Field trips to aerospace centers for research, development, and operations.

BIOLOGY (BIOL)

Undergraduate Requirements

The Biology major can be used to fulfill requirements for admission to medical¹, dental, veterinary, optometry or pharmacy schools, for wildlife biology certification by The Wildlife Society², or for fisheries biology certification by The American Fisheries Society³.

Specific Biology courses are required for every student majoring in Biology: Biology 120/121, 122/123, 305 and 499 (12 hrs). Every Biology major must also take at least one course from each of the four Biology list electives A, B, C, and D (14 hrs, see below). A course taken to fulfill requirements in one listed area may not count toward a second area. The remaining elective biology courses may be taken to fulfill subject area concentrations or certification requirements.

For all 400-level botany courses, BIOL 204/205 is recommended. For all 300- and 400-level zoology courses, BIOL 208/209 is recommended. For all 300- and 400-level cell and molecular courses, BIOL 220 is recommended.

A total of 48 credit hours in Biology courses for majors are required for a Biology degree. A minimum of 16 of the Biology elective credit hours must be 300 - or 400 - level courses (courses taken for the four Biology list electives may not count towards this requirement). A minimum final GPA of 2.0 in Biology courses is required for graduation with the B.S. in Biology. Students must earn a grade of "C" or higher in all Biology courses.

Independent study (Biology 403), Research Participation (Biology 497/498), Cooperative Internships (496) and Senior Biology Seminar (Biology 499) can be used as Biology electives (not to exceed more than 7 credits total). Speak with your academic advisor before enrolling in any courses.

Biology list electives A-D

A. Cell/Developmental/Molecular Biology: Biology 214/215, 220*, 306 (an elective that could accompany 305). 408/409, 417/418, 419, 422, 424, 460*, 462/463, 466*, 468/469, and 470*.

B. Organismal Biology: Biology 204/205, 208/209, 214/215, 228*, 240/241, 311* and 312/313, 316, 330, 332, 412, 414, 416*, 425/426, 432, 434, 436, 438, 440, 442, 446/447, 451, 456, 472/473, 478, 480, 482, 484*, 486, and 488.

C. Ecology/Environmental Science/Wildlife & Fisheries: Biology 201*, 303/304, 320*, 404*, 442, 444, 451, 464*, 476, 486, 488, 490, and 492*.

D. Evolution/Systematics: Biology 204/205, 208/209, 308*, 330, 332, 405*, 436, 438, 440, 442, 456, 472/473, 478, 480, 482, 484, and 490.

* Three credit hour course

Physical science electives must be taken from chemistry, geology, geoscience, math or physics.

¹ Pre-medical and pre-dental students should see page 21. Pre-pharmacy students should consult the pre-pharmacy curriculum on page 121.

² Wildlife Biology certification from the Wildlife Society. Certification requirements include 6 hours of wildlife management courses (Game Birds [Biol 486], Game Mammals [Biol 488]), 6 hours of wildlife biology that must include Mammalogy (Biol 482) or Ornithology (Biol 484) but may also include Herpetology (Biol 480), 3 hours of ecology (Biol 303/304), 9 hours of zoology (from 208/209, 330, 332, 414, and 478), or 9 hours of botany (from 204/205, 412, 432, 434, 436, 438, 440, and 451). A total of at least 36 credit hours must be earned from the five subject areas, wildlife management wildlife biology, ecology, zoology, and botany. Other requirements include 9 hours of physical sciences from two different disciplines; 9 hours of quantitative sciences, statistics (Math 116), plus an elective such as computer science, mathematical modeling, or sampling design; 12 hours of communications (English 101, 102, Speech 201 [non-science elective]; and English 220 [non-science elective]); and 6 hours of Policy, Administration, and Law (Resource Conservation & Management [Agro 301] and Resource & Environmental Economics [Econ 390]).

³ Fisheries Biology certification as an Associate Fisheries Professional from the American Fisheries Society. Certification requirements include 12 hours of fisheries and aquatic sciences (from Freshwater Ecology [Biol 476], Ichthyology [Biol 478], Estuarine Zoology [Biol 490] and Aquatic Plants [Biol 432]), at least 18 hours of "other biology courses", 15 hours of physical sciences (Chem 107/109, 108/110, 303/305, 304/306), 6 hours of math and statistics (Math 113, 116), 9 hours of communications (English 101, 102, communications elective), 6 hours of "Human Dimensions" (Agri 421, Econ 202, or Phil 403). Certification requires that a student apply to The American Fisheries Society for certification upon graduation.

Required for a minor in Biology: Biology 120/121, 122/123, 305 and 12 additional semester hours of Biology above Biology 200 (total of 23 credit hours).

Required for a major in Biology Education: Biology 120/121, 122/123, 204/205, 208/209, 214/215, 220, 303/304, 305/306, Chemistry 107/109 (total of 35 credit hours of science).

Required for a minor in Biology Education: Biology 120/121, 122/123, 204/205, 208/209, 220 (total of 19 semester hours). Teacher certification in this minor area requires 30 credit hours or the Praxis content specialty exam. Must have Mathematics 111 and 112 or proficiency in college algebra and trigonometry, and Chemistry 107, 108.

For Undergraduates Only

101. THE LIVING WORLD. 3 cr. Basic scientific and biological principles with an emphasis on the structure and processes of organisms. The course also includes a survey of the major types of living organisms. Non-majors only. No prerequisite.

- 102. THE LIVING WORLD LABORATORY. 1 cr.** A laboratory course to accompany 101. Two hours laboratory. Prerequisite: Credit or registration in 101, or approval.
- 103. INTRODUCTION TO SCIENTIFIC RESEARCH. 3 cr.** A hands-on approach to understanding the scientific method with emphasis on project design, and data collection and analysis. Prerequisite: Admission to ULM Summer Collegiate Program and ULM-HHMI Pre-College Research Program.
- 110. HUMAN BIOLOGY. 3 cr.** A comprehensive study of the structure and function of the human body and of the ecological problems that face mankind today. Non-majors only. Prerequisite: "C" or better in 101.
- 111. HUMAN BIOLOGY LABORATORY. 1 cr.** A laboratory course to accompany 110. Two hours laboratory. Prerequisite: Credit or registration in 110, or approval.
- 114. FUNDAMENTALS OF ANATOMY AND PHYSIOLOGY I. 3 cr.** Introduction to anatomy and physiology, including cells, tissues, organs, and the integumentary, skeletal, muscular, and nervous systems. Prerequisite: Credit or registration in 116. Non-majors only. Cannot be taken for credit if credit has been awarded for 311 or 312. (Formerly Zoology 111.)
- 115. FUNDAMENTALS OF ANATOMY AND PHYSIOLOGY II. 3 cr.** A continuation of 114. Structure and functions of the circulatory, respiratory, digestive, excretory, endocrine, and reproductive systems. Prerequisites: "C" or better in 114, 116; credit or registration in 117. Non-majors only. Cannot be taken for credit if credit has been awarded in 312. (Formerly Zoology 112.)
- 116. FUNDAMENTALS OF ANATOMY AND PHYSIOLOGY LABORATORY I. 1 cr.** A laboratory course to accompany 114. Two hours laboratory. Prerequisite: Credit or registration in 114. Non-majors only. (Formerly Zoology 113.)
- 117. FUNDAMENTALS OF ANATOMY AND PHYSIOLOGY LABORATORY II. 1 cr.** A laboratory course to accompany 115. Two hours laboratory. Prerequisite: Credit or registration in 115. Non-majors only. (Formerly Zoology 114.)
- 120. PRINCIPLES OF BIOLOGY I. 3 cr.** A course designed for those students majoring in a science-related field. Course content deals with scientific methodology, DNA and the genetic code, cell structure and cell development.
- 121. PRINCIPLES OF BIOLOGY I LABORATORY. 1 cr.** A laboratory designed to accompany 120. Prerequisites: credit or registration in 120.
- 122. PRINCIPLES OF BIOLOGY II. 3 cr.** A continuation of Biology 120. Course content provides an introduction to evolution, ecology and biological diversity. Prerequisites: credit with a grade of C or better in BIOL 120.
- 123. PRINCIPLES OF BIOLOGY II LABORATORY. 1 cr.** A laboratory designed to accompany Biology 122. Prerequisites: credit with a grade of "C" or better in BIOL 120, 121; credit or registration in BIOL 122.
- 201. ENVIRONMENTAL SCIENCE. 3 cr.** Exploration of contemporary issues in environmental science. Man's interaction with the Earth's biological and physical resources. Topics include global warming, biodiversity, conservation, pollution, wetlands, sustainable agriculture, and population growth. Prerequisites: An introductory biology course or approval of department head. (Same as GEOS 201).
- 204. PLANT DIVERSITY. 3 cr.** The characteristics and reproduction of algae, fungi, bryophytes, ferns and fern allies, and seed plants. Vascular plants covered in greater detail. The relationships of these groups of plants to each other and to man is emphasized. Ecology and economic botany is woven throughout the study of diversity and distribution of these plants. Prerequisite: "C" or better in 120, 121
- 205. PLANT DIVERSITY LABORATORY. 1 cr.** A laboratory course in plant diversity to accompany 204. Prerequisites: Credit or registration in 204. (Formerly Botany 205.)
- 208. ANIMAL DIVERSITY. 3 cr.** The anatomy, physiology, and classification of animals with an emphasis on animal diversity. Prerequisite: "C" or better in 120, 121.
- 209. ANIMAL DIVERSITY LABORATORY. 1 cr.** A laboratory course in animal diversity to accompany 208. Prerequisites: Credit or registration in 208. (Formerly Zoology 210.)
- 214. INTRODUCTORY MICROBIOLOGY. 3 cr.** The distribution and importance of microorganisms in nature. Methods of studying and controlling microorganisms. Their role in agriculture, industry and medicine. Prerequisites: Sophomore or higher standing and an earned grade of no less than "C" in one of the following: 101, 114, 120 or equivalent. (Formerly MICRO 201.)
- 215. INTRODUCTORY MICRO LABORATORY. 1 cr.** A laboratory course to accompany 214. Two hours laboratory. Prerequisite: Credit or registration in 214. (Formerly MICRO 203.)
- 220. CELL BIOLOGY. 3 cr.** A survey of the structural and functional relationships operative at the cellular and molecular levels of organization. Prerequisites: 120, 121, CHEM 108.
- 226. HUMAN ANATOMY AND PHYSIOLOGY. 3 cr.** Structure and function of the principal organ systems of the human body. Cannot be taken for credit if credit has been awarded for 311 or 312. Non-majors only. (Formerly Zoology 205.)
- 228. PATHOPHYSIOLOGY. 3 cr.** A detailed study of nervous, endocrine, cardiovascular, and reproductive systems, and their pathophysiology. Prerequisites: Two semesters of anatomy and physiology. (Formerly Zoology 206.)
- 240. HUMAN ANATOMY. 3 cr.** Gross structure and physiology of the body with emphasis on the skeletal, muscular, nervous, and circulatory systems. Prerequisites: 120 and 121, or 226; cumulative GPA of 2.5 or higher with a minimum of "C" in 120 or 226; credit or registration in 241. (Formerly Zoology 240.) F
- 241. HUMAN ANATOMY LABORATORY. 1 cr.** A laboratory course to accompany 240. Three hours of laboratory. Prerequisites: Cumulative GPA of 2.5 or higher with a minimum of a "C" in 120 or 226; credit or registration in 240. (Formerly Zoology 241.) F
- 303. PRINCIPLES OF ECOLOGY. 3 cr.** The basic principles of the relationships between plants and animals and their environment. Prerequisites: 122, 123; or 220; credit or registration in 304. (Formerly 301.)
- 304. PRINCIPLES OF ECOLOGY LABORATORY. 1 cr.** A laboratory course to accompany 303. Three hours laboratory. Field trip fee required. Prerequisite: Credit or registration in 303. (Formerly 302.)
- 305. GENETICS. 3 cr.** Fundamental concepts of heredity at the molecular, cellular, organismic, and population levels. Nature of the genetic material and its involvement in the determination of structure and function. Consideration given to both classical and modern genetics. Prerequisite: "C" or better in 120, 121.
- 306. GENETICS LABORATORY. 1 cr.** A laboratory to accompany 305. Lab topics include Mendelian genetics to molecular genetics. Three hours laboratory. Prerequisites: credit or registration in 305.
- 308. INTRODUCTION TO EVOLUTIONARY BIOLOGY. 3 cr.** A survey of fundamental concepts of modern evolutionary theory, including natural selection, speciation, and adaptation, followed by an investigation of recent issues and controversies in evolutionary biology. Reading and discussion of primary sources will be emphasized. Prerequisite: 305.
- 311. HUMAN PHYSIOLOGY I. 3 cr.** Basic physiological processes with emphasis on cells, tissues and the skeletal, muscular, and nervous systems. Prerequisites: 120, 121; CHEM 107, 109. (Formerly Zoology 311.) F
- 312. HUMAN PHYSIOLOGY II. 3 cr.** A continuation of 311. Emphasis on circulatory, respiratory, digestive, excretory, endocrine, and reproductive systems. Prerequisites: 311. (Formerly Zoology 312.) Sp
- 313. HUMAN PHYSIOLOGY LABORATORY. 1 cr.** A laboratory course to accompany 312. Three hours laboratory. Prerequisite: Credit or registration in 312. (Formerly Zoology 314.) Sp
- 316. COMPARATIVE ANATOMY. 4 cr.** Study of the structure and evolutionary development of organs and organ systems in vertebrates. Laboratory requires student to purchase dissection specimens. Prerequisite: 208. (Formerly Zoology 201, 202.)

- 320. CONSERVATION BIOLOGY. 3 cr.** A course dealing with biodiversity and its conservation. Topics include biodiversity, habitat loss, the effects of habitat changes on populations and the design and establishment of reserves. Prerequisite: "C" or better in 122, 123.
- 330. INVERTEBRATE ZOOLOGY. 4 cr.** The morphology and phylogeny of representative invertebrates. Three hours lecture and three hours laboratory. Prerequisite: 208. (Formerly Zoology 307, 308.)
- 332. VERTEBRATE ZOOLOGY. 4 cr.** The morphology, taxonomy, and life history of representative vertebrates. Three hours lecture and three hours laboratory with field trips. Prerequisite: 208. (Formerly Zoology 309, 310.)
- 400. DIRECTED STUDY—1-3 cr.** Selected studies in general and biological science. Content varies. A. Oceanus; B. Brain, Mind, and Behavior; C. Through the Genetic Maze; D. Cosmos; E. Race to Save the Planet. May be repeated for a maximum of 12 credit hours. No more than 6 semester hours may be applied toward degree requirements.
- 411. GENETICS AND SOCIETY. 3 cr.** A survey of current topics in genetic research and recent advances in biotechnology, including implications of these discoveries. Prerequisite: Biology 120 and either 305 or permission of the instructor.
- For Undergraduates and Graduates**
- 403. PROBLEMS. 1-6 cr. Maximum, 6 cr.** Selected problems in A. Anatomy/Physiology; B. Bacteriology/Virology; C. Botany; D. Ecology; E. Animal Science/Genetics; F. Animal and Plant Taxonomy; I. Agrostology. Prerequisite: Approval of department head.
- 404. ECOLOGICAL METHODS. 3 cr.** Contemporary methods employed in plant and animal ecology. Prerequisites: 303, 304.
- 405. EVOLUTIONARY POPULATION GENETICS. 3 cr.** A study of genetic variation in populations and its role in the evolutionary process. Prerequisite: 305.
- 408. CELLULAR PHYSIOLOGY. 3 cr.** Physical and chemical aspects of the living organism including an introduction to molecular biology with emphasis on the cell. Prerequisites: Credit or registration in 232; credit or registration in 409.
- 409. CELLULAR PHYSIOLOGY LAB. 1 cr.** A laboratory course to accompany 408. Three hours laboratory. Prerequisite: credit or registration in 408. (Formerly 402.)
- 412. PLANT PHYSIOLOGY. 4 cr.** An introduction to the chemical and physical processes occurring in plants. Three hours lecture and three hours laboratory. Prerequisite: "C" or better in 122, 123.
- 414. ANIMAL PHYSIOLOGY. 4 cr.** An introduction to the processes by which animals function in their environment. Three hours lecture and three hours laboratory. Prerequisites: "C" or better in 122, 123.
- 416. PHYSIOLOGY OF REPRODUCTION. 3 cr.** Study of the physiological and environmental processes involved in mammalian reproduction. (Formerly Zoology 429.)
- 417. DEVELOPMENTAL BIOLOGY. 3 cr.** An introduction to the mechanisms and evolution of developmental processes of plants and animals. Topics include pattern formation, cell differentiation, and organogenesis. An emphasis is placed on experimental aspects of developmental biology. Prerequisite: BIOL 305.
- 418. DEVELOPMENTAL BIOLOGY LABORATORY. 1 cr.** A laboratory course to accompany BIOL 417. Lab topics include experimental investigations of fertilization, embryogenesis, gene expression, and patterns of vertebrate organogenesis. Prerequisite: Credit or registration in BIOL 417.
- 419. ADVANCED CONCEPTS IN GENETICS AND MOLECULAR BIOLOGY. 3 cr.** An advanced level course in genetics with a focus on DNA structure and function, gene expression, protein function, human genetics, and biotechnology. An emphasis is placed on current topics and emerging biomedical technologies. Prerequisite: BIOL 305.
- 422. HISTOLOGY. 4 cr.** Microscopic structure of the cell; cellular organizations; tissues; the relationship of structure to function. Three hours lecture and three hours laboratory. Prerequisite: 208. (Formerly Zoology 415, 417.)
- 424. EMBRYOLOGY. 4 cr.** The structure and maturation of germ cells, the fertilization and early development of vertebrates. Three hours lecture and three hours laboratory. Prerequisite: 208. (Formerly Zoology 419, 420.)
- 425. NEUROLOGY. 3 cr.** Study of the anatomy, physiology and pathology of the human nervous system. (Formerly Zoology 425.)
- 426. NEUROLOGY LABORATORY. 1 cr.** A laboratory course to accompany 425. Three hours laboratory. Prerequisite: Credit or registration in 425. (Formerly Zoology 426.)
- 430. DNA ANALYSIS IN MOLECULAR BIOLOGY. 4 cr.** A laboratory-based course focused on generating and analyzing DNA data. Methods include introductions, protocols and trouble shooting for PCR, RAPD's, DNA sequencing, alignment and phylogenetic analyses. Prerequisites: Biology 305.
- 432. AQUATIC PLANTS. 4 cr.** A study of the plants that grow in aquatic and wetland sites. Emphasis placed on identification, distribution, and field characteristics. Two hours lecture and four hours laboratory including frequent field trips. Prerequisite: 122, 123. (Formerly Botany 403, 404.)
- 434. FIELD BOTANY. 4 cr.** Field characteristics and sight identification of the regional flora is emphasized. Two hours lecture and four hours laboratory including frequent field trips. Prerequisite: 122, 123. (Formerly Botany 411, 412.)
- 436. DENDROLOGY. 4 cr.** Classification, identification, and characteristics of important forest trees of the United States, stressing native species common to Louisiana. Two hours lecture and four hours laboratory including frequent field trips. Prerequisite: 122, 123. (Formerly Botany 413, 414.)
- 438. BIOLOGY OF NONSEED PLANTS. 4 cr.** The characteristics, classification, phylogeny, and life cycles of fungi, algae, mosses, hornworts, liverworts, and ferns are emphasized. Two hours lecture and four hours laboratory including frequent field trips. Prerequisite: 122, 123. (Formerly Botany 415, 416.)
- 440. TAXONOMY OF VASCULAR PLANTS. 4 cr.** Characteristics of plant families are emphasized. This includes classification systems and emphasis on primitive and advanced characteristics. Most of the lab is devoted to identification of plants by using keys from plant identification manuals. Two hours lecture and four hours laboratory. Prerequisite: 204. (Formerly Botany 417, 418.)
- 442. AGROSTOLOGY. 4 cr.** The identification, classification and ecology of grass and grass-like plants. Three hours lecture and three hours laboratory with scheduled field trips. Prerequisite: 204. (Formerly Botany 419, 420.)
- 444. PLANT ECOLOGY. 4 cr.** The study of plant populations and communities and their habitat with emphasis on the communities of the south central United States. Three hours lecture and three hours laboratory. Prerequisite: 303, 304. (Formerly Botany 426, 427.)
- 446. ECONOMIC BOTANY. 3 cr.** The study of applied uses of plants as food, fibers, lumber, drugs, and related commodities. Prerequisite: 204. (Formerly Botany 481.)
- 447. ECONOMIC BOTANY LABORATORY. 1 cr.** A laboratory course to accompany 446. Two hours laboratory. Prerequisite: Credit or registration in 446. (Formerly Botany 482.)
- 451. FIELD BIOLOGY. 6 cr.** Field studies of the flora and fauna native to selected habitats. Field trip fee required. Prerequisites: 204, 205, 208, 209; approval of department head. Sum
- 456. INTRODUCTION TO ENTOMOLOGY. 4 cr.** The anatomy, physiology, and classification of insects. Three hours lecture and three hours laboratory. Prerequisite: 208. (Formerly Zoology 450, 451.)
- 460. PATHOGENIC BACTERIOLOGY. 3 cr.** The morphology, physiology, and immunogenicity of disease-causing bacteria; methods of isolation, identification and control of pathogenic bacteria and diseases. Three hours lecture. Prerequisites: 214, 215. (Formerly MICRO 417, 418.)

- 462. FOOD AND DAIRY MICROBIOLOGY. 3 cr.** The role of microorganisms in the preservation, spoilage and poisoning in food and dairy products. Also, their role in the manufacture of products of agricultural origin. Prerequisite: 214; credit or registration in 463. (Formerly MICRO 423.)
- 463. FOOD AND DAIRY MICRO LABORATORY. 1 cr.** A laboratory course to accompany 462. Three hours laboratory. Prerequisite: Credit or registration in 462. (Formerly MICRO 424.)
- 464. WATER MANAGEMENT. 3 cr.** A survey of water distribution and uses, including water purification and sewage treatment, industrial and agricultural, irrigation scheduling. (Formerly MICRO 421.)
- 466. ADVANCED MICROBIOLOGY. 3 cr.** Advanced microbiological techniques; a study of the morphological, physiological, and genetic characteristics of important groups of microorganisms; introduction to biotechnology. Two hours lecture and two hours laboratory. Prerequisites: 214, 215; 8 semester hours of chemistry. (Formerly MICRO 415, 416.)
- 468. GENERAL VIROLOGY. 3 cr.** A study of representative bacterial, animal and plant viruses. Prerequisites: 214; credit or registration in 469. (Formerly MICRO 425.)
- 469. GENERAL VIROLOGY LABORATORY. 1 cr.** A laboratory to accompany 468. Three hours laboratory. Prerequisite: Credit or registration in 468. (Formerly MICRO 426.)
- 470. IMMUNOLOGY - CONCEPTS AND PRINCIPLES. 3 cr.** Detailed discussion of the cellular and humoral components of the immune system and their interrelationships in the production and control, at both the genetic and cellular levels, of immune responses. Prerequisites: 214, 115 or 312 or consent of instructor. (Formerly MICRO 430.)
- 472. INTRODUCTORY PARASITOLOGY. 3cr.** The taxonomy, life history, and economic importance of protozoa, helminths, and arthropods which are parasites of man. Prerequisites: 122 or 214 or permission of the instructor; credit or registration in 473. (Formerly Zoology 401.)
- 473. INTRODUCTORY PARASITOLOGY LABORATORY. 1 cr.** A laboratory course to accompany 472. Three hours laboratory. Prerequisite: Credit or registration in 472. (Formerly Zoology 402.)
- 476. FRESHWATER ECOLOGY. 4 cr.** The biological, chemical, and physical characteristics of freshwater habitats. Three hours lecture and three hours laboratory. Field trip fee required. Prerequisites: 122, 123. (Formerly Biology 406, 407.)
- 478. ICHTHYOLOGY. 4 cr.** Evolution, systematics and ecology of fishes with an emphasis on North American freshwater fishes. Two hours lecture and six hours laboratory with field trips. Prerequisites: 122, 123. (Formerly Zoology 405, 406.)
- 479. FISHERIES BIOLOGY. 4 cr.** General principles and methods of freshwater fisheries biology and the management of natural fish populations. Three hours of lecture and three hours of laboratory. Laboratory fee required. Prerequisite: Biology 208, 209; Math 114, 116 or equivalent.
- 480. HERPETOLOGY. 4 cr.** Morphology, taxonomy, and life history of amphibians and reptiles with emphasis on the taxonomy of the amphibians and reptiles of Louisiana. Three hours lecture and three hours laboratory with field trips required. Prerequisite: 122, 123. (Formerly Zoology 427, 428.) Sp, odd
- 482. MAMMALOGY. 4 cr.** The morphology, taxonomy, and life history of mammals. Three hours lecture and three hours laboratory with field trips. Prerequisite: 122, 123. (Formerly Zoology 423, 424.) F, odd.
- 484. ORNITHOLOGY. 3 cr.** Morphology, taxonomy, behavior, and natural history of birds. Two hours lecture and three hours laboratory with field trips required. Prerequisite: 122, 123. (Formerly Zoology 431, 432.)
- 486. GAME BIRDS. 4 cr.** Recognition, life histories, predators, economics and management practices of North American game birds. Three hours lecture and three hours laboratory with field trips. Prerequisite: Introductory course in Biology and permission of the instructor. (Formerly Zoology 433, 434.) Sp, odd
- 488. GAME MAMMALS AND FUR BEARERS. 4 cr.** Recognition, life histories, predators, economics and management practices of game mammals and fur bearers with special emphasis on regional fauna. Three hours lecture and three hours laboratory with field trips. Prerequisite: Introductory course in Biology and permission of the instructor. (Formerly Zoology 473, 474.) F, even
- 490. ESTUARINE ZOOLOGY. 4 cr.** An introduction to basic estuarine ecology with a focus on the ecology and systematics of major aquatic invertebrates and fishes native to estuaries of the northern Gulf of Mexico. Three hours lecture and three hours laboratory. Field trip fee required. Prerequisite: 122, 123. (Formerly Zoology 435.)
- 492. ANIMAL ECOLOGY. 3 cr.** A study of animal populations, communities and their interactions. Two hours lecture and two hours laboratory. Prerequisites: 303, 304 or equivalent. (Formerly Zoology 440.)
- 496. COOPERATIVE INTERNSHIPS. 1-3 cr.** Closely supervised practical experience working in agencies/businesses that employ biologists. Only junior and senior majors and graduate students are eligible. Students will receive grades of CR (credit) or NC (no credit). Students may repeat this course for a total of 3 credits; not to exceed 6 credits total in combination with 403. The course may not be used by graduate students to fulfill major requirements. (Formerly Biology 410.)
- 497. UNDERGRADUATE RESEARCH PARTICIPATION. 3 cr.** An honors course in which the student performs independent research. Prerequisite: Approval of department head.
- 498. UNDERGRADUATE RESEARCH PARTICIPATION. 3 cr.** A continuation of 497.
- 499. SENIOR BIOLOGY SEMINAR. 1 cr.** May be repeated one time. A seminar course to acquaint students with recent primary literature. Class format will include discussions and written papers. Prerequisite: 40 hours of Biology credit. (Formerly BIOL 420.)

BUSINESS (BUSN)

Undergraduate Requirements

Required for a major in General Business: Computer Information Systems 220, Entrepreneurship 250, Insurance 205, or 300/400 Business Elective; Economics 321; Computer Information Systems 350; Management 305; 18 semester hours consisting of 9 semester hours of Junior/Senior level courses not otherwise required in two of the following concentrations (or other approved area): Accounting, Business Law, Computer Information Systems, Economics, Entrepreneurship, Finance, International Business, Management, Marketing, Risk Management and Insurance.—Total of 30 semester hours. A total of 9 hours may be selected from ACCT 410, ECON 313, FINA 401, MGMT 404, or MRKT 401 for a concentration in International Business. Students may use nine semester hours of coursework from a completed minor from outside the CBA as one of the two required concentration areas.

Required for a minor in Business Administration for non-Business majors: Business 101 or 305; Accounting 110 or Accounting 212 and 213; Economics 201 and 202; Finance 315; Management 301; Marketing 301—Total of 18-24 semester hours.

For Undergraduates Only

- 101. BUSINESS AND SOCIETY. 3 cr.** A systems approach to the nature of business and its role in society, emphasizing business functions, ethics and values, and the interfaces of business with its environment. Not open to juniors and seniors in the College of Business Administration. F, Sp, Sum

- 215. CURRENT BUSINESS PROBLEMS. 1 cr. per semester; a maximum, 3 cr.** Intensive study and analysis of selected current problems in business. Different topics are considered each semester.
- 305. BUSINESS COMMUNICATION. 3 cr.** Investigation of business communication problems; objectives, principles, methods, channels, media, and forms of business communication; organizing, analyzing, writing correspondence and reports, and reporting orally. Prerequisites: ENGL 101, 102 with grade of "C" or higher and Junior standing. (Formerly OINS 305) F, Sp, Sum
- 461. COOPERATIVE EDUCATION EXPERIENCE. 3 cr.** Planned and supervised work experience in student's major field. Open only to juniors and seniors in the College of Business Administration who are approved for the Cooperative Education Program. Grades of CR (Credit) or NC (No Credit) will be awarded. May be repeated for a maximum of 6 credits toward the degree or the 150-hour CPA examination requirements. F, Sp, Sum

For Undergraduates and Graduates

- 412. MANAGERIAL COMMUNICATION. 3 cr.** Theory, concepts, and process of oral and written managerial communication; organization, analysis and presentation of information in memos and business reports (written and oral); effects of language and media on individual and organizational behavior; role and use of information technology. Prerequisite: 305 or approval of department head. (Formerly OINS 412)
- 481. CONTINUING STUDIES IN BUSINESS. 1-3 cr.** Various topics in applied business for students not pursuing a degree. May be repeated. Credit may not be applied toward a degree. Grades of CR (Credit) or NC (No Credit) will be awarded.

BUSINESS LAW (BLAW)

Required for minor in Business Law: Business Law 401, 402; Insurance 205; Political Science 413, 414, or 418; 205; Philosophy 203.

For Undergraduates Only

- 401. LEGAL ENVIRONMENT OF BUSINESS. 3 cr.** Analysis of the legal environment of business. Regulatory activity, policy considerations and legal trends are integrated into a detailed treatment of specific legal subjects; contracts, torts, arbitration, products liability and criminal law in business management. Prerequisite: Junior standing. F, Sp, Sum
- 402. BUSINESS LAW. 3 cr.** Study of laws involved in operating businesses, emphasizing forms of organization. Topics include negotiable instruments, credit transactions, security devices, agency, lease and franchise. Prerequisite: Junior standing. F, Sp
- 440. LAW FOR ACCOUNTANTS. 3 cr.** Specifically for accounting majors. Legal concepts underlying business organizations, contracts, debtor-creditor relationships, government regulation of business, the uniform commercial code, property and professional and legal responsibilities. Can be used as a preparation for the CPA examination. Prerequisite: 401. F, Sp (Formerly ACCT 440.)

CHEMISTRY (CHEM)

Undergraduate Requirements

Required for an American Chemistry Society Certified Concentration: Chemistry 107, 108, 109, 110, 230, 231, 232, 233, 240, 241, 310, 320, 321, 322, 323, 350, 351, 400, 407, 413, 431 and 499. Total of 50 core semester hours. Students who have satisfactorily completed these courses which meet the requirements of the Committee on Professional Training of the American Chemical

Society may receive certification to the American Chemical Society with the approval of the Department.

Required for a Non-ACS-Certified Concentration: Chemistry 107, 108, 109, 110, 220, 230, 231, 232, 233, 240, 241, 310, 350, 351, 400, 407, 431, 499 and 8 hours of specialty elective courses. Total of 50 core semester hours.

Required for a minor: 22 hours of chemistry to include Chemistry 107, 108, 109, and 110, plus 14 semester hours of chemistry courses above the freshman level at least 3 credit hours of which must be taken at ULM.

Required for a major in Chemistry Education: Chemistry 107, 108, 109, 110, 230, 231, 232, 233, 240, 241, 310, 350, and 352. Total of 31 semester hours. (See specific degree plan in the College of Education and Human Development section).

Required for a minor in Chemistry Education: To include Chemistry 107, 108, 109, 110, 230, 231, 240, 241, 301, and one hour of elective. Total of 19 semester hours. Teacher certification in this minor area requires 30 credit hours or the Praxis content specialty exam. University English and Mathematics competency requirements apply to all degrees. Some chemistry courses will include both a lecture and a recitation component. The recitation hour will consist of review and problem solving and may also include testing.

TRANSFER OF CHEMISTRY CREDIT FROM OTHER UNIVERSITIES TO ULM: Chemistry course offerings at most universities are fairly standardized. To facilitate transfer from area universities, the ULM Chemistry Office maintains a list of chemistry course equivalencies.

For Undergraduates Only

- 101. INTRODUCTORY CHEMISTRY I. 3 cr.** The fundamentals of inorganic chemistry. Prerequisite: Eligibility for MATH 111 or a more advanced mathematics course. Three hours lecture. For non-majors. F, Sp, Su1
- 102. INTRODUCTORY CHEMISTRY II. 3 cr.** The fundamentals of organic and biochemistry. Prerequisite: "C" or better in CHEM 101. Three hours lecture. For non-majors. F, Sp
- 103. INTRODUCTORY CHEMISTRY LABORATORY I. 1 cr.** A laboratory course to accompany CHEM 101. Three hours of laboratory. Prerequisite: Credit or registration in CHEM 101. For non-majors. F, Sp, Su1
- 104. INTRODUCTORY CHEMISTRY LABORATORY II. 1 cr.** A laboratory course to accompany CHEM 102. Three hours of laboratory. Prerequisite: "C" or better in CHEM 103 and registration or credit in CHEM 102. For non-majors. Sp
- 107. GENERAL CHEMISTRY I. 3 cr.** A course in modern chemistry theories and principles; quantitative approach and problem solving; descriptive chemistry of selected elements and compounds. Three hours of lecture and one hour of recitation. Prerequisite: "C" or better in MATH 111 or 113, or equivalent, or a score of 20 or better on the Mathematics component of the ACT. F, Sp, Su1
- 108. GENERAL CHEMISTRY II. 3 cr.** A continuation of CHEM 107; continuation of theory with emphasis on chemical equilibria; a quantitative approach to solution chemistry; descriptive chemistry of selected elements and compounds from the main groups and the first transition series. Three hours of lecture and one hour of recitation. Prerequisite: "C" or better in CHEM 107. F, Sp, Su2
- 109. GENERAL CHEMISTRY LABORATORY I. 1 cr.** A laboratory course to accompany 107. Three hours laboratory. Prerequisite: Credit or registration in CHEM 107. F, Sp, Su1

- 110. GENERAL CHEMISTRY LABORATORY II. 1 cr.** A laboratory course to accompany CHEM 108 including qualitative analysis. Prerequisite: "C" or better in CHEM 109; credit or registration in CHEM 108. F, Sp, Su2
- 220. INTRODUCTION TO PHYSICAL CHEMISTRY. 3 cr.** Discussion of basic chemical principles, including thermodynamics, kinetics, equilibrium, and quantum mechanics, with applications to biological molecules. Three hours lecture. Prerequisites: "C" or better in CHEM 108. Sp, odd (Formerly 302)
- 230. ORGANIC CHEMISTRY I. 3 cr.** Discussion of structure and bonding theory, acid-base chemistry, reactions of alkanes, alkenes, alkynes, alcohols and alkyl halides. Three hours lecture. Prerequisite: "C" or better in CHEM 108. F, S, Su1 (Formerly 303)
- 231. ORGANIC CHEMISTRY LABORATORY I. 1 cr.** Laboratory to accompany Organic Chemistry I. Introduction to procedures used in the organic laboratory. Three hours laboratory. Prerequisite: credit or registration in CHEM 230 and a "C" or better in CHEM 110. F, Sp, Su1 (Formerly 305)
- 232. ORGANIC CHEMISTRY II. 3 cr.** Spectroscopic techniques and the chemistry of aromatic compounds, carbonyl compounds, and amines will be covered. Three hours lecture. Prerequisite: "C" or better in CHEM 230. F, Sp, Su2 (Formerly 304)
- 233. ORGANIC CHEMISTRY LABORATORY II. 1 cr.** Laboratory to accompany Organic Chemistry II. Application of techniques from Organic Chemistry I to organic reactions. Three hours laboratory. Prerequisite: "C" or better in CHEM 231 and credit or registration in CHEM 232. F, Sp, Su2 (Formerly 306)
- 240. QUANTITATIVE ANALYSIS. 3 cr.** Discussion of techniques and theories of gravimetric, volumetric and physicochemical methods of analysis. Three hours lecture. Prerequisite: "C" or better in CHEM 108. F (Formerly 307)
- 241. QUANTITATIVE ANALYSIS LABORATORY. 2 cr.** A laboratory course to accompany CHEM 240. Six hours laboratory. Prerequisite: "C" or better in CHEM 110 and credit or registration in CHEM 240. F (Formerly 308)
- 301. CHEMISTRY SEMINAR. 1 cr. hour per semester, with cumulative maximum of 4 cr. allowed.** Presentation of oral reports (with written synopses) on topics of current scientific and societal interest, including discussion of ethical and political implications, with emphasis on resources in the chemical literature. Prerequisite: Junior or senior standing in chemistry. Sp
- 310. DESCRIPTIVE INORGANIC CHEMISTRY. 4 cr.** Discussion of elemental properties, elemental combinations into ionic and molecular compounds, and periodic trends. Laboratory synthesis and characterization of inorganic compounds. Three hours lecture; three hours laboratory. Prerequisites: "C" or better in CHEM 108. Sp, even (Formerly 313/314).
- 320. PHYSICAL CHEMISTRY I. 3 cr.** Fundamental interpretations of the physical principles of chemistry with emphasis on equilibrium thermodynamics and chemical kinetics. Three hours lecture and one hour recitation. Prerequisites: "C" or better in CHEM 108; PHYS 208; MATH 132. F, odd (Formerly 401)
- 321. PHYSICAL CHEMISTRY LABORATORY I. 1 cr.** Modern experimental techniques in physical chemistry. Three hours laboratory. Prerequisites: "C" or better in CHEM 241 and credit or registration in CHEM 320. F, odd.
- 322. PHYSICAL CHEMISTRY II. 3 cr.** Continuation of Chemistry 320. Theories of atomic and molecular structure, spectroscopy and quantum mechanics are applied to chemical systems. Three hours lecture and one hour recitation. Prerequisite: "C" or better in CHEM 320. Sp, even (Formerly 402)
- 323. PHYSICAL CHEMISTRY LABORATORY II. 1 cr.** Modern experimental techniques of physical chemistry. Three hours laboratory. Prerequisite: "C" or better in CHEM 321; credit or registration in CHEM 322. Sp, even (Formerly 403)
- 350. BIOCHEMISTRY I. 3 cr.** Introduction to structure and function of proteins, nucleic acids, lipids and carbohydrates and enzyme kinetics, mechanisms, regulation, and vitamins. Three hours lecture. Prerequisite: "C" or better in CHEM 232. F, Su1 (Formerly 336)
- 351. BIOCHEMISTRY LABORATORY I. 1 cr.** Laboratory to accompany Biochemistry I. Introduction to procedures used in Biochemistry Laboratory. Three hours laboratory. Prerequisites: Credit or registration in CHEM 350 and "C" or better in CHEM 233. F
- 352. BIOCHEMISTRY II. 3 cr.** Thermodynamics, metabolism, photosynthesis, protein and nucleic acid biosynthesis. Three hours lecture. Prerequisite: "C" or better in CHEM 350. Sp (Formerly 337)
- 400. CHEMISTRY CAPSTONE. 1 cr.** A course designed as a culminating experience in the chemistry curriculum incorporating aspects of research methods, literature review, oral presentation, and written reports. Prerequisites: Two hours of CHEM 499 and junior or senior standing in Chemistry. Sp
- 413. ADVANCED INORGANIC CHEMISTRY. 3 cr.** The periodic table, valence theories, inorganic structure and reactivity, and coordination chemistry. Three hours of lecture per week. Prerequisite: Credit or registration in CHEM 320. F, odd
- 499. RESEARCH. 1-6 cr. Maximum, 6 cr.** Research problems that can be completed in one semester. Three to six hours laboratory per week per credit hour. Research is done in the areas of A. Analytical; B. Biochemistry; C. Inorganic; D. Organic; E. Physical. Prerequisites: Junior or senior standing in chemistry and approval of department head. F, Sp, Su1, Su2

For Undergraduates and Graduates

- 407. INSTRUMENTAL ANALYSIS. 4 cr.** A laboratory/lecture analytical course in the operation of analytical instruments, involving the care and maintenance of equipment in addition to the analytical treatment of known samples. Four hours laboratory; three hour lecture. Prerequisite: "C" or better in CHEM 232, 233, 240, 241. Sp
- 420. ADVANCED PHYSICAL CHEMISTRY. 3 cr.** An introduction to group theory including molecular symmetry, molecular orbital theory, electronic spectroscopy, and vibrational spectroscopy. Three hours of lecture per week. Prerequisite: "C" or better in CHEM 322. F, even
- 422. DIRECTED STUDY. 1-6 cr. Maximum, 6 cr.** A directed study for undergraduates and graduates. May include laboratory and/or library work in the areas of A. Analytical; B. Biochemistry; C. Inorganic; D. Organic; E. Physical. Four to six hours per week for each credit hour earned. Prerequisite: Approval of department head. F, Sp, Su1, Su2
- 430. ADVANCED ORGANIC CHEMISTRY. 3 cr.** A mechanistic study of prevailing organic reactions via structural and electronic effects. Three hours of lecture per week. Prerequisite: "C" or better in CHEM 232 and CHEM 322. Sp, odd
- 431. INTERMEDIATE ORGANIC CHEMISTRY. 2 cr.** Laboratory introduction of standard research techniques; lecture covering synthetic design, functional group transformations, advanced nomenclature, and mechanistic analysis of reactions. One hour lecture and three hours laboratory. Prerequisites: "C" or better in CHEM 232 and CHEM 233. F, even (Formerly 405)

CLINICAL LABORATORY SCIENCE (CLSC)

Required for a major: 101, 301, 320, 321, 322, 324, 325, 326, 327, 328, 340, 430 and thirty-seven hours selected from 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476.

- 100. MEDICAL APPLICATION OF SCIENCE FOR HEALTH. 4 cr.** This course is designed to facilitate academic enrichment in health care science and improve basic awareness of health care careers. This course is open to regular University students and to students who make application to and are accepted into the M*A*S*H program sponsored by the North Louisiana Area Health Education Center. F, Sp, Sum

- 101. PRINCIPLES OF CLINICAL LABORATORY SCIENCE. 2 cr.** Orientation to the profession of clinical laboratory science, the hospital internship, and the many phases of laboratory science encountered in the clinical laboratory. F, Sp
- 112. PHLEBOTOMY. 3 cr.** Study of phlebotomy, professionalism, patient relations, basic medical laboratory terminology, types of specimens, specimen collection procedures, complications of venipuncture, adaptations for special limits and special types of patients, special collection techniques, and actual collection of laboratory specimens. (Formerly CLSC 110, 111)
- 301. RENAL FUNCTION, URINALYSIS, AND BODY FLUIDS. 1 cr.** Introduction to the anatomy and physiology of the renal system. Qualitative and quantitative analysis, including chemical and microscopic studies, of urine and body fluids. Prerequisites: CLSC 101. F
- 320. HEMATOLOGY. 3 cr.** A study of hematopoiesis, classification, mechanisms and clinical characteristics of the anemias, leukemias, lymphomas, and other related diseases; the mechanism and specific disorders of hemostasis and a study of the principles of various hematological testing procedures and interpretations and correlation of test results with disease states. Three hours lecture. Prerequisite: Approval of the Program Director. F, Sp, Sum I
- 321. HEMATOLOGY LABORATORY. 1 cr.** A laboratory course to accompany 320 to include procedures for a complete blood count, sedimentation rate, L.E. prep, osmotic fragility, sickle cell testing, coagulation testing, various miscellaneous tests and quality control procedures. Three hours laboratory. Prerequisite: Approval of the Program Director. F, Sp, Sum I
- 322. IMMUNOLOGY. 3 cr.** A course covering the principles of basic immunology and the application of clinical immunology in the medical laboratory to include: immunoglobulin structures; antigen-antibody reactions, classification, mechanisms, and clinical characteristics of immune disease; transplantation and tumor immunology; and a study of various serological testing procedures and interpretation and correlation of test results with disease states. Three hours lecture. Prerequisite: Approval of Program Director. Sp, Sum I
- 323. SEROLOGY LABORATORY. 1 cr.** A laboratory course to accompany 322 to include representative tests of all types of serological testing performed in the clinical laboratory. Three hours laboratory. Prerequisite: Approval of the Program Director. Sp, Sum I
- 324. CLINICAL CHEMISTRY AND TOXICOLOGY. 3 cr.** Study of physiologic limits and composition of various body fluids and their methods of analysis. Three hours lecture. Prerequisite: Approval of the Program Director. F, Sp
- 325. CLINICAL CHEMISTRY AND TOXICOLOGY LABORATORY. 1 cr.** A laboratory course to accompany 324 including qualitative and quantitative analysis of physiologic components and composition of the various components of blood and other body fluids and methods of analysis for toxic substances. Three hours laboratory. Prerequisite: Approval of the Program Director. F, Sp
- 326. CLINICAL CHEMISTRY AND TOXICOLOGY. 3 cr.** Principles of basic clinical chemistry and toxicology procedures applied to enzymes; endocrine function; electrolytes and blood gases; renal function; gastric, pancreatic and intestine function; biochemistry of pregnancy; therapeutic drug monitoring and analysis of toxic substances. Prerequisite: Approval of the Program Director. (Same as Toxicology 326.) Sp, F
- 327. IMMUNOHEMATOLOGY AND BLOOD BANKING. 3 cr.** A course in the genetic theory of the human blood groups and the administrative and technical operation of blood banks. Three hours lecture. Prerequisite: Approval of the Program Director. F, Sp
- 328. TECHNICAL PROCEDURES IN BLOOD BANKING. 1 cr.** A laboratory course to accompany 327, giving practical experience in blood donor selection, blood processing, patient crossmatching, plasmapheresis, and other blood component fractionation procedures. Three hours laboratory. Prerequisite: Approval of the Program Director. F, Sp
- 338. DIRECTED STUDY. 1-6 cr. each.** Individual investigation of selected problems in: A. Urinalysis; B. Hematology; C. Immunology; D. Blood Banking; E. Serology; F. Clinical Chemistry; H. Toxicology; J. Other associated areas of clinical laboratory science; K. Parasitology; and L. Clinical Laboratory Management. Prerequisites: Approval of the Program Director. F, Sp, Sum
- 340. CLINICAL LABORATORY SCIENCE CAPSTONE. 3 cr.** Seminar and management course that includes oral and written presentations of research on current topics related to laboratory medicine. Laboratory management topics are analyzed using case studies and group exercises. Regulations and laws that impact the clinical laboratory are discussed. F, Sp
- 430. MEDICAL MICROBIOLOGY. 4 cr.** The morphology, physiology, and immunogenicity of disease-causing bacteria, methods of isolation, identification, susceptibility testing, and control of pathogenic bacteria and diseases. Three hours lecture and three hours laboratory. Prerequisites: BIOL 214, 215. (Formerly CLSC 338I)
- 450. COOPERATIVE EDUCATION EXPERIENCE. 3 cr.** Planned and supervised work experience in student's major field to include phlebotomy, patient relations, laboratory operations, and laboratory computers. Grades of A, B, C, and NC (No Credit) will be awarded. May be repeated for a total of 6 credits. Students must work a minimum of 20 hrs./week and must be compensated by employer. F, Sp, Sum
- 460. CLINICAL HEMATOLOGY. 2-5 cr.** Advanced concepts in the use and interpretation of hematological and coagulation procedures and data. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum
- 461. CLINICAL HEMATOLOGY LABORATORY. 3-5 cr.** Practical instruction and laboratory practice in the performance of hematological and coagulation procedures. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum
- 462. CLINICAL SEROLOGY AND IMMUNOLOGY. 1-2 cr.** Advanced concepts in the use and interpretation of serological and immunological procedures and data. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum
- 463. CLINICAL SEROLOGY AND IMMUNOLOGY LABORATORY. 1-3 cr.** Practical instruction and laboratory practice in the performance of serological and immunological procedures. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum
- 464. CLINICAL MICROBIOLOGY. 2-4 cr.** Advanced concepts in the use and interpretation of medical microbiological procedures and data. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum
- 465. CLINICAL MICROBIOLOGY LABORATORY. 3-6 cr.** Practical instruction and laboratory practice in the performance of microbiological procedures. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum
- 466. CLINICAL IMMUNOHEMATOLOGY. 1-3 cr.** Advanced concepts in the use and interpretation of immunohematological procedures and data. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum
- 467. CLINICAL IMMUNOHEMATOLOGY LABORATORY. 3-4 cr.** Practical instruction and laboratory practice in the performance of immunohematological procedures. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum
- 468. CLINICAL BIOCHEMISTRY. 3-6 cr.** Advanced concepts in the use and interpretation of clinical chemistry procedures and data. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum
- 469. CLINICAL CHEMISTRY LABORATORY. 3-5 cr.** Practical instruction and laboratory practice in the performance of clinical chemistry procedures. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum
- 470. CLINICAL URINALYSIS. 1-2 cr.** Advanced concepts in the use and interpretation of urinalysis procedures and data. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum

- 471. CLINICAL URINALYSIS LABORATORY. 1-2 cr.** Practical instruction and laboratory practice in the performance of urinalysis procedures. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum
- 472. CLINICAL PARASITOLOGY, MYCOLOGY, AND MYCOBACTERIOLOGY. 1-2 cr.** Advanced concepts in the use and interpretation of parasitological, mycological, and mycobacteriological procedures and data. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum
- 473. CLINICAL PARASITOLOGY, MYCOLOGY, AND MYCOBACTERIOLOGY LABORATORY. 1-2 cr.** Practical instruction and laboratory practice in the performance of parasitological, mycological, and mycobacteriological procedures. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum
- 474. CLINICAL LABORATORY ADMINISTRATION. 1-2 cr.** Modern management concepts for the clinical laboratory. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum
- 475. CLINICAL LABORATORY SCIENCE PROBLEMS. 1-3 cr.** An introduction to emerging medical technologies and research in: A. Urinalysis; B. Hematology; C. Immunology; D. Blood Bank/Transfusion Medicine; E. Serology; F. Clinical Chemistry; H. Toxicology; I. Microbiology; J. Other associated areas of clinical laboratory science; K. Parasitology; and L. Clinical Laboratory Management. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum
- 476. CLINICAL LABORATORY SCIENCE SEMINAR. 1-2 cr.** Medical technology ethics, trends, state requirements, new developments in the field, and student reports. Prerequisite: Completion of three years of pre-clinical courses. F, Sp, Sum

COMMUNICATION (COMM)

For Undergraduates Only

- 400. COMMUNICATION CAPSTONE. 3 cr.** Study and application - through research, writing, and oral presentation - of communication and ethical theories to contemporary issues appropriate to the students' interests and preparation. Prerequisites: Senior status and completion of 21 hours of Communication Studies or Mass Communications major requirements.

COMMUNICATION STUDIES (CMST)

Formerly Speech Communications (SPCH)

Undergraduates Requirements

Required for a major in Communication Studies: CMST 101; 109; 118; 201; 260; 304, 335, or 344; 305 or 405; 310, 311, or 330; 341, 451, 452, or 453; 450; 490; and 12 hours of Communication Studies electives, at least six hours of which must be at the 300-400 level - Total of 42 semester hours.

A student electing a major in Communication Studies has the option of choosing an academic minor.

Required for a minor in Communication Studies: CMST 101; 118; 201 or 260; 311 or 330; 450; and three hours of Communication Studies at the 300-400 level - Total of 18 semester hours.

Required for a major (Speech Education): Communication Studies 101, 118, 305, and 311; Theatre 110, 111, 221 and 425; Mass Communications 201; Speech-Language Pathology 113; and 5 hours of electives in Communication Studies. Total of 31 semester

hours. (See specific degree plan in the College of Education and Human Development section).

Communication Studies majors and minors must participate in Forensics activities.

For Undergraduates Only

- 101. FUNDAMENTALS. 3 cr.** Focus is on the total range of communication behaviors we engage in within the contexts of intrapersonal, interpersonal, small group, organizational, public speaking, and mass communication.
- 102. VOICE AND DICTION. 3 cr.** A non-technical approach to developing expressive speech. Emphasis is on phonetics, the mechanics of vocal sound, and oral readings.
- 109. FORENSIC SPEAKING LABORATORY. 1 cr.** Supervised participation in the intercollegiate debate program. May be repeated for a maximum of three hours credit.
- 110H. HONORS COMMUNICATION STUDIES. 3 cr.** Speech taught more as a liberal art than as a technical art. Emphasis on developing effective rhetorical skills, problem-solving, critical thinking, and the place of values in establishing humane goals. Presentations required. Prerequisite: Admission to the Honors Program or permission of the Undergraduate Honors Council. Substitutes for either CMST 101 or 201.
- 118. INTERPERSONAL COMMUNICATION. 3 cr.** Stresses practical application of communication concepts and skills. Emphasis on self-concept, language, perception, listening, nonverbal communication, and resolution of interpersonal skills development.
- 201. PUBLIC SPEAKING. 3 cr.** The process of public communication, including an understanding of audience to produce, evaluate, and critique public expression in public arenas.
- 260. SMALL GROUP COMMUNICATION. 3 cr.** Introduction to small group participation and leadership. Small group variables included for study are group structure, climate, goals, roles, norms, conflict, and rhetorical sensitivity. Special emphasis given to application of concepts within problem-solving discussion groups.
- 304. INTERCULTURAL COMMUNICATION. 3 cr.** A study of communication principles between members of different cultures. Distinctions among verbal and non-verbal code systems regarding various aspects of culture will be examined. Prerequisite: CMST 101, 118, or consent of instructor. May not be used as a substitute for a foreign language.
- 305. ORAL INTERPRETATION. 3 cr.** Oral reading of prose and poetry with emphasis on determining and interpreting the thought and emotional content of selections of literature.
- 310. COMMUNICATION AND CONFLICT. 3 cr.** A study of the theory and practice of communication strategies and styles in conflict situations. The course will look at conflict in interpersonal and/or profession settings. Prerequisites: CMST 101, 118, 201 or consent of the instructor.
- 311. ARGUMENTATION AND DEBATE. 3 cr.** Argumentation as a method for critical inquiry. Emphasis on debate as argument exemplar with instruction in analysis, reasoning, and use of evidence. Participation in debates. (Formerly Speech 311-Debate.)
- 325. SPECIAL TOPICS. 3 cr.** Study of various communication contexts, problems, and issues. A. Rhetoric and Public Address; B. Forensics; C. Interpersonal Communication; D. Organizational Communication; E. Communication Theory; F. Instructional Communication. Prerequisites: CMST 101, 118, or 201 or consent of department head.
- 330. PERSUASION. 3 cr.** A review of general theoretical approaches to persuasion and influence with focus on principles of persuasive communication and application of persuasive strategies. Prerequisites: CMST 101 or 201 or consent of instructor. (Formerly Speech 230 - Persuasion.)
- 335. NONVERBAL COMMUNICATION. 3 cr.** The process of generating and interpreting messages from such nonverbal sources as space, physical appearance, time, facial expressions, and other nonverbal codes explored for effects on interpersonal relationships. Prerequisites: CMST 101, 118, or 201.

- 341. COMMUNICATION AND GENDER. 3 cr.** Exploration of how gender and communication interact, exploring how gender influences communication, how gender is communicated, and how communication influences our understandings of gender and what it means to be gendered beings. Prerequisites: CMST 101, 118, or 304 or approval of the instructor.
- 344. ORGANIZATIONAL COMMUNICATION. 3 cr.** An introduction to the principles and theories of competent organizational communication. You will learn about the research and practice in this field.
- 450. COMMUNICATION THEORY. 3 cr.** An analysis and evaluation of predominant communication theories that identify fundamental communicative forces in human action. Prerequisite: CMST 101, 330, or approval of instructor. Prerequisites: CMST 110H or 201.
- 490. INTERNSHIP. 2 cr.** One semester of supervised industry service. Academic requirements include a final paper and presentation. Prerequisites: completion of 15 hours of Communication Studies coursework and the approval of the academic advisor, faculty internship supervisor and site manager.
- 491. DIRECTED STUDY. 1-3 cr.** Directed study in A. Rhetoric and Public Address; B. Forensics; C. Communication Studies; D. Oral Interpretation. May be repeated for a total of 6 crs. Prerequisites: Approval of department head.

For Undergraduates and Graduates

- 405. ADVANCED PUBLIC COMMUNICATION. 3 cr.** Preparation and delivery of the principal types of speeches, with some attention to the miscellaneous types of speeches; rhetorical criticism. An effort is made to arrange outside speaking engagements for members of the class. Prerequisite: CMST 110H or 201.
- 420. PERFORMANCE STUDIES. 3 cr.** Theory and practice in the art of group oral presentation of literature; selection, analysis, and arrangement of materials for oral interpretation; program planning for public presentation; emphasis on Reader's Theatre. Prerequisite: CMST 305 or consent of instructor.
- 426. HEALTH COMMUNICATION. 3 cr.** The study of effective communication perspectives and skills helpful in providing integrated, coordinated services between various allied health professions. Prerequisites: CMST 118; 304; 310 or approval of instructor.
- 451. AMERICAN PUBLIC ADDRESS. 3 cr.** Provides a study of American public address from colonial times to the present. Prerequisites: CMST 101, 201, or approval of instructor.
- 452. CRITICISM OF CONTEMPORARY COMMUNICATION. 3 cr.** This course examines various aspects of contemporary communication. Prerequisites: CMST 101, 201, or approval of the instructor.
- 453. RHETORIC OF SOCIAL MOVEMENTS. 3 cr.** This course examines social movement. Prerequisites: CMST 101, 201, or approval of instructor.
- 462. ADVANCED SMALL GROUP COMMUNICATION. 3 cr.** Studies of group action, interaction, and leadership designed to apply small group theory. Emphasis on the nature of group communication as exemplified in the discussion/conference model. Prerequisites: CMST 260 or 101 or consent of instructor.

COMMUNICATIVE DISORDERS (CODI)

(see Speech-Language Pathology)

COMPUTER INFORMATION SYSTEMS (CINS)

Required for a major: 220, 302, 306, 340, 350, 430, 435; BUSN 412; 6 hours of 300-400 level CINS electives. Total of 30 semester hours.

Required for a minor: CSCI 170, CINS 220, 350, 3 electives chosen from 300 or 400-level CINS classes - Total of 18 semester hours.

300/400 Level CINS classes are open only to juniors or seniors in the College of Business Administration with at least a 2.0 GPA on all hours to be credited toward the degree, or permission of the department head.

For Undergraduates Only

- 101. MICROCOMPUTER OPERATIONS. 3 cr.** An introduction to information systems. Topics include hardware, operating systems, and application programs with hands-on experience. Not open to College of Business juniors and seniors. F, Sp, Sum
- 205. INTRODUCTION TO COMPUTER-BASED MANAGEMENT INFORMATION SYSTEMS. 3 cr.** Introduction to the use of the computer for business applications; productivity software (word processing, electronic spreadsheet, data management, and presentation graphics). CINS majors must earn a minimum grade of "C". Prerequisites: Completion of all developmental requirements. F, Sp, Sum
- 212. WORD PROCESSING. 3 cr.** Introduction to word processing concepts and fundamentals of word processing operations; hands-on experience with microcomputer word processors. Laboratory work required. Prerequisites: 35 wpm keyboard competency, CSCI 170. F, Sum
- 215. SPREADSHEET APPLICATIONS. 3 cr.** Intensive coverage of business spreadsheet models; including spreadsheet design, file-building techniques, graphics, and spreadsheet automation with macros. Prerequisite: CSCI 170 or permission of instructor. F, Sp
- 220. INTRODUCTION TO BUSINESS PROGRAMMING. 3 cr.** Fundamentals of problem solving, programming logic, and algorithm specification using various modeling tools; coding of algorithms in a programming language. Prerequisites: CSCI 170, MATH 116 and completion of all developmental requirements, or permission of instructor. (Formerly CINS 201) F, Sp, Sum
- 302. INTERMEDIATE BUSINESS PROGRAMMING. 3 cr.** Computer programming methods for business systems. Emphasizes contemporary programming environments and application development using a modern programming language. Prerequisite: 220.
- 306. DATA BASE APPLICATION DEVELOPMENT. 3 cr.** Concepts related to modeling organizational data; emphasis on designing and implementing the Relational database model using both the Structured Query Language (SQL) and a graphical query interface. Prerequisite: CINS 220. (Formerly CINS 401) F, Sp
- 340. NETWORKS AND DATA COMMUNICATIONS. 3 cr.** Concepts of data communications and networks and their impact on the business enterprise; issues pertaining to design, development, and implementation; hands-on experience with a network. Prerequisite: CSCI 170. F, Sp
- 341. ADVANCED NETWORKING. 3 cr.** Planning, building, and administering local area networks. Emphasis placed on installation, management, and maintenance of client/server networks. Coverage of TCP/IP, remote access, and other popular services. Prerequisite: CINS 340. Sp
- 344. INFORMATION SECURITY MANAGEMENT. 3 cr.** Principles of information security and assurance, with emphasis on the managerial component. A lifecycle approach is used to identify, assess, and develop responses to security threats to organizational assets. Prerequisite: 340 or permission of instructor.
- 350. MANAGEMENT INFORMATION SYSTEMS. 3 cr.** Principles of the design, development, and use of information systems for the management of organizations; planning, controlling, staffing, hardware, software, and operational considerations of personnel, workgroup, and organizational information systems. Prerequisite: CSCI 170. F, Sp, Sum

- 430. INFORMATION SYSTEMS ANALYSIS. 3 cr.** Overview of various system development life cycles, with emphasis on structured tools and techniques for describing data flows, data structures, file designs, input and output designs, and process specifications. Prerequisite: CSCI 170, CINS 306, CINS 350; BUSN 305, or permission of instructor. F
- 435. INFORMATION SYSTEMS DESIGN. 3 cr.** Strategies and techniques of structured design for producing logical system specifications and for deriving physical system designs. Coverage of object orientation and other methodologies for dealing with complexity in the development of information systems. Prerequisites: 430 and BUSN 412, or permission of instructor. Sp

For Undergraduates and Graduates

- 455. END USER SUPPORT. 3 cr.** Provision of technical support in selection of hardware and software; training in use of hardware and software; and assistance in use of computer information systems in solving business problems. Prerequisites: 306, 340, 350 and BUSN 412, or permission of instructor.
- 491. DIRECTED STUDY. 1-3 cr.** May be repeated for a maximum of 6 credits. Investigative study on a selected topic by an individual student under the direction of a faculty member. Prerequisite: Senior standing and approval of the directing faculty member and the department head.
- 492. SEMINAR. 1-3 cr. per semester.** May be repeated for a maximum of 6 credits. Seminar in information systems. Topic areas: A. Software; B. Methodologies; C. Special Topics. Prerequisite: Approval of department head.

COMPUTER SCIENCE (CSCI)

Required for a major: 200, 203, 226, 253, 273, 298, 305, 310, 313, 320, 326, 411, 412, 455, 460, 462 and 3 of the following 8 courses: 340, 373, 440, 442, 463, 464, 475, and 483—Total of 55 semester hours.

Required for a minor: 200, 203, 226, 253, 273, 305, 310—Total of 21 semester hours.

Required for a minor in Computer Science Education: 170, 180, 200, 203, 367, 377, Curriculum and Instruction 285, and a 3-hour approved Computer Science Elective. Total of 21 semester hours. Teacher certification in this minor area requires 21 credit hours or the Praxis content specialty exam.

For Undergraduates Only

- 167. SOFTWARE APPLICATIONS. 1 cr.** Work with three major computer application software packages - word processing, spreadsheets, and databases. Not applicable towards a degree in Computer Science or in the College of Business Administration.
- 170. COMPUTER LITERACY. 3 cr.** A study of computer concepts with an emphasis on the personal computer and its practical use, the impact of computers on society, and the knowledge required to be computer literate in today's digital world.
- 180. FOUNDATIONS OF COMPUTER SCIENCE. 3 cr.** An introduction to the foundations of computer science and problem solving using a modern, high-level programming language. Not applicable toward a degree in Computer Science.
- 200. INTRODUCTION TO COMPUTER PROGRAMMING. 3 cr.** An introduction to algorithms and programming, with an emphasis on the basic design, implementation, and testing of solutions to numerical and non-numerical problems. Prerequisite: CSCI 180 or credit or registration in a mathematics core curriculum course.

- 203. INTERMEDIATE PROGRAMMING. 3 cr.** Continuation of CSCI 200, with increased emphasis on program design (including structured and object oriented techniques, data structures, and algorithms). Prerequisites: Grade of "C" or better in CSCI 200 and credit or registration in MATH 113 or permission of the department head.
- 226. INTRODUCTION TO DISCRETE STRUCTURES. 3 cr.** An introduction to discrete mathematical structures with applications to Computer Science. Topics include: logic, proof techniques, set theory, combinatorics, and functions. Prerequisites: Grade of "C" or better in CSCI 200 and Math 113 or equivalent.
- 253. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE PROGRAMMING. 3 cr.** Introduction to computer organization, machine language, and assembly language programming. Prerequisite: Grade of "C" or better in CSCI 226.
- 264. INTRODUCTION TO COMPUTER ORGANIZATION. 2 cr.** Basic logic design, coding, number representation and arithmetic binary representation, and computer architecture. Prerequisite: CSCI 226, 253, and credit or registration in CSCI 265.
- 265. COMPUTER ORGANIZATION LABORATORY. 1 cr.** Laboratory class to accompany 264. Prerequisite: Credit or registration in 264.
- 273. FILE AND DATA STRUCTURES. 3 cr.** Dynamic memory management. Secondary storage concerns. File processing environment, sequential and random access. File organization: sequential, random, indexed, multi-key. Hashing and indexing techniques. Awareness of database basics. Prerequisite: CSCI 203 with a grade of "C" or better and CSCI 226.
- 298. ETHICAL AND PROFESSIONAL ISSUES IN COMPUTING. 1 cr. Maximum, 2 cr.** Presentation of current topics in the field of computer science with special emphasis on ethics.
- 305. ANALYSIS OF ALGORITHMS. 3 cr.** The design and analysis of computer algorithms and data structures. Classes of algorithms studied include sorting, searching, graph, parallel and NP-complete. An in-depth study into both efficiency and design. Correctness and formal verification of algorithms. Prerequisites: CSCI 326 and a grade of "C" or better in 273.
- 310. ORGANIZATION OF PROGRAMMING LANGUAGES. 3 cr.** An introduction to programming language specification and analysis. Additional topics include programming language paradigms, runtime environments, binding strategies, compilers, and interpreters. Prerequisite: CSCI 273.
- 313. COMPUTER THEORY. 3 cr.** The various types of abstract languages and their corresponding acceptors. The Chomsky hierarchy. Determinism and non-determinism in language acceptors; problem decidability. The relationship of abstract languages and automata to computers. Prerequisites: CSCI 305 and 310.
- 320. OBJECT-ORIENTED DESIGN AND PROGRAMMING. 3 cr.** Elements of the object model including abstraction, encapsulation, modularity, class hierarchies and inheritance, virtual functions, generic classes, and operator overloading. Methods for identifying classes and objects, notation for object-oriented design, the design process, and case studies. Prerequisite: CSCI 305.
- 326. ADVANCED DISCRETE STRUCTURES. 3 cr.** A study of advanced topics from discrete mathematics, with special emphasis to applications in computer science. Topics include: efficiency of algorithms, recurrence relations, number theory, graph theory, combinatorics, and Boolean algebra. Prerequisite: CSCI 226.
- 340. INTERNET PROGRAMMING. 3 cr.** The art and science of programming for WWW Internet applications from a client-side perspective. Basic and advanced HTML. CGI scripting and an introduction to Java applets. Some experience with Internet and UNIX usage is desirable. Prerequisite: CSCI 273.
- 350. RESEARCH METHODS FOR COMPUTER SCIENCE. 3 cr.** An introduction to methods used in computer science research. Topics include techniques and conventions in research methods, evaluation approaches, and presentation of results. Prerequisite: CSCI 226.

- 367. ADVANCED SOFTWARE APPLICATIONS. 3 cr.** A study of advanced applications and their use in producing professional level presentations. Students will utilize problems from their major field of study, occupation, and/or other areas of interest. The word processor, spreadsheet, and other tools will be used to integrate the study into a desktop publication. Not applicable toward a degree in computer science. Prerequisites: CSCI 170.
- 369. INTRODUCTION TO PROGRAMMING. 3 cr.** This course will emphasize programming techniques in a modern programming language, currently Pascal, using microcomputers. Program design, coding, debugging, and testing of programs for a wide variety of problems commonly solved by computers. Not applicable toward a degree in computer science. Prerequisite: CSCI 170.
- 373. NUMERICAL METHODS. 3 cr.** Numerical algorithms fundamental to scientific work including discussion of error. Prerequisite: CSCI 203 and MATH 202 and 132. (Dual listed as MATH 373.)
- 377. INTERNET FOR THE USER. 3 cr.** Introduction to Internet including methods of use such as telnet, FTP e-mail, WWW, gopher, and Netscape. Not applicable toward a degree in computer science. Prerequisites: CSCI 170 or approval of department head.
- 398. COMPUTER PROJECTS. 3 cr.** Involvement in practical computer projects. Prerequisite: Permission of department head.
- 420. INTRODUCTION TO BIOSTATISTICS I. 3 cr.** An introduction to the discipline of statistics and its application to problems of biology, including human biology, medicine, and public health. Topics include Bayesian inferences, estimation techniques, hypothesis testing, goodness of fit, and analysis of variance. Prerequisite: Math 114 or Math 131 or permission of department head. (Same as Math 420).
- 421. INTRODUCTION TO BIOSTATISTICS II. 3 cr.** A continuation of 420. Topics include linear and multiple regression, logistics regression, longitudinal data analysis, nonparametric methods and principal component techniques. Prerequisites: Math 420 or CSCI 420 and junior standing or above. (Same as Math 421).
- 445. RESEARCH DATA BASE MANAGEMENT. 3 cr.** An introductory study into data base management activities and practices using the Statistical Analysis System as related to the statistical and report writing needs of researchers. Topics such as data base display techniques, statistical significance tests, statistical modeling, graphics, and report writing will be discussed. Emphasis is on methods and computing techniques using the Statistical Analysis System. Not open to computer science majors. Prerequisites: CSCI 170; three (3) semester-hour statistics course, or concurrent enrollment in a statistics course, or approval of department head.
- 460. PRINCIPLES OF SOFTWARE ENGINEERING. 3 cr.** A formal approach to state-of-the-art techniques in software design and development. This course includes the classic model of the software life cycle, prototyping, resource allocation in large scale software projects, software cost estimating, and project management techniques. Prerequisites: CSCI 320.
- 461. COOPERATIVE EDUCATION EXPERIENCE. 1 cr.** Planned and supervised work experience in student's major field. Open only to juniors and seniors in the Department of Computer Science who are approved for the Cooperative Education Program. Grades of CR (credit) or NC (no credit) will be awarded. May be repeated for a total of 3 credits. May not be applied to fulfill major requirements.
- 462. DATA COMMUNICATIONS. 3 cr.** Technical aspects of data communications. ISO Open Systems Interconnect Model. TCP/IP protocol suite. Internetworking and routing. Prerequisite: CSCI 305.
- 463. THEORY OF PROGRAMMING LANGUAGES. 3 cr.** A formal treatment of programming language design and translation concepts. Programming language syntax and semantics. Finite and pushdown automata, scanners, symbol tables, parsers, machine-independent code generation. Prerequisite: CSCI 313.
- 464. GRAPHICS. 3 cr.** Fundamental concepts of graphics including enhancement, shading, two and three dimensional transformations, animations and hidden-surface problem. Prerequisites: CSCI 203, MATH 202 and Junior standing.
- 491. COMPUTER SCIENCE CAPSTONE. 3cr.** Culmination of coursework experiences with a full software life cycle project development. Focus on product planning, management, and delivery including testing and quality assurance. Generation of artifacts, including detailed specifications, design documents, and user manual. Prerequisites: CSCI 455 and registration or credit in CSCI 460.
- 498. RESEARCH. 1-6 cr. Maximum, 6 cr.** Open to advanced undergraduates who are capable of developing a problem independently. Subject Areas: A. Applications; B. Software; C. Mathematics of Computation; D. Hardware. Prerequisites: Approval of department head.

For Undergraduates and Graduates

- 411. OPERATING SYSTEMS. 3 cr.** Theory and implementation of operating systems including process management, device management, memory management, and file system management. Security, networking, and distributed operating systems. Prerequisites: CSCI 253, 305, and 310.
- 412. COMPUTER ARCHITECTURE. 3 cr.** Computer hardware architectures including microcomputers, minicomputers, mainframes and supercomputers; memory organization including cache and virtual memory; pipelining; RISC architecture; parallel processing architectures; comparison of representative architectures. Prerequisites: CSCI 253 and 305.
- 435. LINEAR PROGRAMMING. 3 cr.** Development of the simplex algorithm, revised simplex, duality, and application. Prerequisite: MATH 202.
- 436. INTRODUCTION TO MATHEMATICAL CONCEPTS IN OPERATIONS RESEARCH. 3 cr.** A mathematical approach to concepts in advanced linear and nonlinear programming, dynamic programming, game theories, queueing theory and other standard topics in operations research. Prerequisites: CSCI 435 and MATH 303. (Same as MATH 436.)
- 440. INTERNET SYSTEMS MANAGEMENT. 3 cr.** This course teaches the art and science of providing an Internet presence. It will cover several types of Internet services, concentrating on the World Wide Web. The course will cover support issues related to providing more advanced WWW services, including user support, security, operations, staffing, and purchasing. Prerequisite: CSCI 340.
- 442. SIMULATION AND MODELING. 3 cr.** General principles of stochastic simulation. Model development, analysis, and validation. Comparison of alternative models. Use of special purpose simulation languages. Prerequisites: CSCI 305 and MATH 303.
- 455. THEORY OF DATA BASE MANAGEMENT SYSTEMS. 3 cr.** Logical and physical data and file organization; hierarchical, network, and relational data models; data normalization; query facilities; current literature in the database area. Prerequisite: Grade of C or better in CSCI 273.
- 475. KNOWLEDGE DISCOVERY IN DATABASES. 3 cr.** An introduction to the field of Knowledge Discovery in Databases, KDD. Topics to be included are: data selection, cleaning, coding, pattern recognition, the discovery of hidden knowledge, learning rules, and data mining algorithms for large databases. Prerequisites: CSCI 455 and MATH 303.
- 481. EXPERT SYSTEMS. 3 cr.** A course in Applied Artificial Intelligence for non-programmers who are interested in the use and development of expert systems within their own fields of study. Not applicable toward a degree in computer science. Prerequisite: Senior or graduate standing.
- 483. ARTIFICIAL INTELLIGENCE. 3 cr.** Study of the computer in context with human thought processes. Heuristic programming; search strategies; knowledge representation; perception; learning; natural language understanding; user interfaces; intelligent systems. Prerequisites: 305 and 310.

CONSTRUCTION (CONS)

Required for a major: 101, 112, 113, 203, 204, 206, 207, 208, 209, 211, 212, 303, 304, 305, 306, 308, 309, 318, 319, 350, 351, 407, 408, 409, 414, 415, 417, 418, 430, 455, and 3 hours construction electives—Total of 54 semester hours. Non majors must have approval of the Director to schedule 300 and 400 level classes.

- 101. CONSTRUCTION MATERIALS. 3 cr.** Materials of construction, their properties, manufacture, characteristics and use. F, Sp
- 102. BASIC GRAPHICS. 1 cr.** Introductory course in architectural drafting. Use and care of instruments and equipment, line weights, lettering, simple plans, sections and details. Three hours of studio. F
- 110. INTRODUCTION TO CONSTRUCTION. 3 cr.** Introduction to the history and development of Construction, with an analysis of its impact on the national and international economy. A non-technical survey, especially designed for non-construction majors. F
- 112. ARCHITECTURAL DRAFTING. 1 cr.** Introduction to plan reading with instructions given in basic architectural graphics; details of working drawings and shop drawings related to building construction. F, Sp
- 113. ARCHITECTURAL DRAFTING STUDIO. 2 cr.** Studio course to accompany 112. Six hours studio. F, Sp
- 203. CONSTRUCTION TECHNIQUES. 2 cr.** A study of architectural design fundamentals through analysis of architectural and engineering plans, specifications, and documents used in construction. Prerequisites: 101, 112, 113. F, Sp
- 204. CONSTRUCTION TECHNIQUES STUDIO. 1 cr.** Studio course to accompany 203. Three hours studio. F, Sp
- 206. STATICS AND STRENGTH OF MATERIAL. 2 cr.** Resolution of forces, equilibrium, application of statics for simple structures, centroids, moments of inertia; materials in tension, compression, bending; shear and moment diagrams; design of simple structures. Prerequisite: MATH 111, 112. F, Sp
- 207. STATICS AND STRENGTH OF MATERIAL LABORATORY. 1 cr.** Laboratory course to accompany 206. Three hours laboratory. F, Sp
- 208. CONSTRUCTION DOCUMENTS. 2 cr.** A study of drawings, specifications, and documents used in the construction process. Prerequisites: 101, 112, 113. Sp, F
- 209. CONSTRUCTION DOCUMENTS STUDIO. 1 cr.** Studio course to accompany 208. Three hours studio. Sp, F
- 211. CONSTRUCTION SURVEYING. 1 cr.** Theory and principles of surveying applied to construction. Prerequisite: MATH 111, 112. Sp, F
- 212. CONSTRUCTION SURVEYING LABORATORY. 2 cr.** Laboratory course to accompany 211. Six hours laboratory. Sp, F
- 214. INTERIOR SYSTEMS. 3 cr.** A study of interior environmental systems including construction techniques, material handling, storage and transportation. Materials and systems influence of interior design as they pertain to acoustics, sound transmission, fire hazards, lighting, and energy.
- 220. CONSTRUCTION INSPECTION. 4 cr.** Introduction to principles and practices of inspecting construction projects-in-progress with emphasis on the nature of construction problems encountered on the job site.
- 221. LOCAL AND STATE BUILDING CODES. 3 cr.** Under direct supervision, the student trainee develops effective public contacts with builders and contractors in conducting routine work within a building department office.
- 222. PLAN AND SPECIFICATION REVIEWS. 3 cr.** Under direct supervision, the student trainee examines plans and specifications of buildings for conformity with zoning regulations and building laws.
- 223. RESIDENTIAL INSPECTIONS. 3 cr.** Inspection of fences, patios, carports, residential blockwalls, etc.; conducting occupancy surveys in various structures such as apartments and hotels.
- 224. COMMERCIAL AND INDUSTRIAL INSPECTIONS. 3 cr.** Inspection of buildings under construction, alteration or repair for compliance with building laws.
- 225. DAMAGED BUILDING INSPECTIONS. 2 cr.** Inspection of damaged buildings and reporting needs for repair or demolition.
- 250. STRUCTURAL SYSTEMS. 3 cr.** A survey of structural systems including the design of temporary structures. Prerequisites: 206, 207.
- 260. MECHANICAL AND ELECTRICAL SYSTEMS. 3 cr.** A survey of systems for water supply and sanitation, heating and air conditioning, and electric service and installations.
- 303. CONSTRUCTION TECHNIQUES. 2 cr.** Continuation of 203 and 204 as applied to larger construction projects. Prerequisites: 203, 204, 208, 209. F, Sp
- 304. CONSTRUCTION TECHNIQUES LABORATORY. 1 cr.** Laboratory course to accompany 303. Three hours laboratory. F, Sp
- 305. STEEL STRUCTURES. 2 cr.** Theory and principles of design and fabrication of structural steel in conformance with current codes and practices. Prerequisites: 206, 207. F
- 306. STEEL STRUCTURES LABORATORY. 1 cr.** Laboratory course to accompany 305. Three hours laboratory. F
- 308. CONCRETE STRUCTURES AND FORM DESIGN. 2 cr.** Theory and principles of design and building of concrete structures and forms in conformance with current codes and practices. Prerequisites: 206, 207. F
- 309. CONCRETE STRUCTURES AND FORM DESIGN LABORATORY. 1 cr.** Laboratory course to accompany 308. Three hours laboratory. F
- 318. ESTIMATES. 2 cr.** Principles and theories of estimating, classification of work and quantity survey techniques applied to various types of construction projects. Prerequisites: 203, 204, 208, 209. F, Sp
- 319. ESTIMATES LABORATORY. 1 cr.** Laboratory course to accompany 318. Three hours laboratory. F, Sp
- 322. PIPELINE CONSTRUCTION. 3 cr.** An introduction to pipeline construction including basic design considerations, standards and regulations, estimating and bidding, acquisition of Right-of-Way, construction equipment and procedures, safety, and pipeline maintenance. Prerequisite: Approval of director.
- 324. ENVIRONMENTAL CONSTRUCTION. 3 cr.** An introduction to pollutants, hazardous and toxic substances encountered on the job site. Emphasis on biological hazards, health safety standards in regard to handling and disposal of products and liability management. Prerequisite: Junior standing. F
- 328. CAPITAL PROJECTS. 3 cr.** Theory of control and management by owner corporations of cost, time, and value of construction for capital ventures. Techniques for control of projects, with emphasis on general principles and relationships. Prerequisites: Approval of director. (Formerly 311.)
- 350. MECHANICAL SYSTEMS OF BUILDINGS. 2 cr.** Principles and practices of sanitation, water supply, heating, cooling, ventilation, smoke management, and fire suppression systems. Emphasis on general principles, relationships and language needed by the General Contractor. Prerequisite: 203, 204, 208, 209. F
- 351. MECHANICAL SYSTEMS OF BUILDINGS LABORATORY. 1 cr.** Laboratory course to accompany 350. Two hours laboratory. F
- 355. COMPUTER-AIDED DESIGN. 3 cr.** Two dimensional drafting and design. One hour of lecture; four hours studio. (Same as FCSC 355.) Prerequisite: Junior standing. Sp

- 407. PROJECT CONTROL SYSTEMS. 2 cr.** Analysis and application of scheduling techniques. The use of critical path method (CPM) and program evaluation and review (PERT). Prerequisites: 303, 304. F, Sp
- 408. ESTIMATES. 2 cr.** Analysis and determination of cost of construction operations including applicable indirect and overhead cost, and the preparation of bid proposals for construction costs. Prerequisites: 318, 319. Sp, F
- 409. ESTIMATES LABORATORY. 1 cr.** Laboratory course to accompany 408. Three hours laboratory. Sp, F
- 410. ANALYTIC AND CONCEPTUAL ESTIMATING. 3 cr.** Separation of conceptual planning into its constituent elements and essential features. Feasibility of a construction project by analysis of income, construction investment, operating cost and risk. Prerequisite: Approval of director.
- 412. ADVANCED PROJECT CONTROL SEMINAR. 3 cr.** Continuation of 407/415 with emphasis on job control of resources, cost control and reporting. Selected current construction projects used with research in the field and group analysis and discussion in regular class meetings. Five hours a week are required for field and classroom. Prerequisites: 407, 415.
- 414. CONSTRUCTION MANAGEMENT. 3 cr.** Management principles as applied to the construction contractor. Prerequisite: Junior standing. Sp
- 415. PROJECT CONTROL SYSTEMS LABORATORY. 1 cr.** A studio to accompany 407. Three hours studio per week. Prerequisite: Credit or registration in 407. F, Sp
- 417. FOUNDATION PROBLEMS. 2 cr.** Foundation and soil problems as related to construction. Prerequisites: 303, 304. Sp, F
- 418. FOUNDATION PROBLEMS LABORATORY. 1 cr.** Laboratory course to accompany 417. Three hours laboratory. Sp, F
- 419. CONSTRUCTION DOCUMENTS AND REGULATORY AGENCIES. 3 cr.** Current building codes and significant aspects of construction specifications. Prerequisite: Senior standing or approval of director.
- 428. VALUE MANAGEMENT. 3 cr.** Utilization of the constructor's special knowledge to cut the cost of a construction project to the lowest practicable level without compromising its function or sacrificing quality and aesthetics. Prerequisite: Approval of director and junior standing. (Formerly 411.)
- 430. CONSTRUCTION SAFETY. 3 cr.** A course designed to provide constructors a system of recognition, avoidance, and prevention of unsafe working conditions and employments covered by The Occupational Safety and Health Act of 1970. Prerequisite: Junior standing.(Formerly 420.) Sp
- 455. ELECTRIC SERVICE AND INSTALLATIONS. 3 cr.** Basic theory and practical application of electricity as applied to the construction field; basic design of illumination and electrical wiring based on the National Electric Code: introduction to cost estimates of installations. Prerequisites: 203, 204, 208, 209 and Junior standing. Sp
- 460. DIRECTED STUDY. 1-6 cr. Maximum, 6 cr.** Directed individual study in A. History of Construction, B. Advanced Construction Graphics, C. Advanced Surveying Problems, D. Seminar for Seniors, E. Special Contracting Methods. Prerequisite: Approval of director.

COUNSELING (COUN)

For Undergraduates and Graduates

- 433. INTERPERSONAL COMMUNICATION. 3 cr.** Paired, triad, and small group involvement to develop awareness of various communicative skills utilized in the interpersonal relationship and increase effectiveness in interpersonal communication.
- 434. CAREER DEVELOPMENT IN THE ELEMENTARY SCHOOLS. 3 cr.** Methods and systems of introducing the world of work to elementary school children.

- 464. COUNSELING PROCEDURES. 3 cr.** The study of theory, processes, and relationships involved in individual and family counseling approaches and practices. Designed as a pre-practicum experience, the course includes laboratory demonstrations and practice to develop initial counseling skills.
- 480. EFFECTIVE PARENTING. 3 cr.** Designed to help students and parents-to-be understand the principles and techniques of establishing effective parent-child relationships.
- 481. CONTINUING STUDIES IN COUNSELOR EDUCATION. 1-3 cr.** Various topics in counseling and human relations. May be repeated. Credit may not be applied toward a degree. Grade of CR (Credit) or NC (No credit) will be awarded.
- 491. DIRECTED STUDY. 1-6 cr.** Investigative study on selected problems by students with particular needs.

CRIMINAL JUSTICE (CJUS)

Required for a major in Criminal Justice: 101; 230; 250; 270, 303, or 310; 293; 301; 405; 415; 418; 429; and 12 additional hours in Criminal Justice—Total of 42 semester hours. A grade of "C" or higher is required in all courses required for a major. Criminal Justice 499 is required as University Capstone.

Students may choose to complete a minor as part of their free electives.

Required for a minor in Criminal Justice: Criminal Justice 101; 230; 250; 270, 303, or 310; 293; and 3 hours from Criminal Justice electives—Total of 18 semester hours.

Required for Associate of Arts in Criminal Justice: Criminal Justice 101; 230; 250; 270, 303, or 310; 293; 299; and 6 additional hours in Criminal Justice—Total of 22 semester hours. A grade of "C" or higher is required in all courses required for a major.

For Undergraduates Only

- 101. INTRODUCTION TO CRIMINAL JUSTICE. 3 cr.** An examination of the history, organization, and function of the various local and federal agencies that make up the criminal justice system. The survey is organized around the three major components of the criminal justice system: police, courts, and corrections.
- 206. INDUSTRIAL AND BUSINESS SECURITY. 3 cr.** An examination of the basic problems, procedures, and needs in the field of security work. A comparison of private agencies, hotels, retail and industrial enterprises which handle their own security with private and public security organizations. Emphasis is given to the role of private, industrial, and business security systems and their relationship to the criminal justice system.
- 230. THE POLICE. 3 cr.** An in-depth examination of the law enforcement sub-system of the criminal justice system. Includes historical precedents to American systems, the diversity of agencies and their roles, the internal components of agencies, and their interrelationships with other system components and other social and legal agents and agencies. Prerequisite: 101 or approval of the program director.
- 233. FORENSICS. 3 cr.** An overview of techniques applied in identification of human skeletal remains for the medicolegal professions, including assessment of age, sex, ancestry, trauma, and disease; occupational stress markers; procedures for search/recovery of human remains; and estimations of time since death (Same as ANTS and SOCL 233).
- 250. COURTS AND CRIMINAL JUSTICE. 3 cr.** Examination of the court component of the criminal justice system. Emphasis on structure, roles, and functions of courts and their relationship to other system components and social institutions. Prerequisite: 101 or approval of program director.

- 270. CORRECTIONS. 3 cr.** An in-depth examination of the Corrections component of the criminal justice system. Fundamentals of correctional practices and philosophy, historically and systemically studied, including law, sentencing, and appellate review as each relates to the correctional process. Survey of correctional components: community-based programs, institutions, administration, offender categories, classification, and treatment. Prerequisite: For Criminal Justice majors only—101 or approval of program director.
- 293. CRIMINAL LAW. 3 cr.** Examination of substantive criminal law with emphasis on history, theory, classification and elements of crimes, elements of proof, and other issues related to criminal law. Prerequisite: 101 or approval of program director.
- 299. OVERVIEW OF THE CRIMINAL JUSTICE SYSTEM. 1 cr.** A capstone course for the integration of knowledge concerning the criminal justice system and criminal law with some attention to current legal issues in law enforcement and corrections. Restricted to students receiving the Associate of Arts Degree in Criminal Justice. Registration is required during the semester in which the degree is to be received.
- 301. CRIMINAL JUSTICE PROCEDURE AND EVIDENCE. 3 cr.** Analysis of procedural law related to due process. Evidence and rules of law related to evidence are examined. Prerequisite: CJ 293 or approval of program director.
- 303. COMMUNITY-BASED CORRECTIONS. 3 cr.** An in-depth study of correctional programs, practices, and theory within the American community. Survey of community corrections in terms of historical contributions; legal, social, and ethical considerations; professionalism; roles of staff, administration, and community resources; and relationships among and within community systems. Prerequisite: 101, 270, or approval of program director.
- 308. SUBSTANCE ABUSE. 3 cr.** Analysis of the social, physical, and psychological impact of substance abuse. Examination of types, incidence, and forms of abuse and an analysis of social and legal reactions. Social trends and laws are examined to provide the student with foundations for a critical and analytical examination of substance abuse. Prerequisite: 101 or approval of program director.
- 310. CORRECTIONAL INSTITUTIONS. 3 cr.** Analysis of the structure and function of prison staffing, prison operations, the convict world, prison violence, and jails. Prerequisite: 101, 270, or approval of program director.
- 330. CRIMINAL INVESTIGATION. 3 cr.** An in-depth study of the principles, concepts, and theories applicable to the investigation procedures used by law enforcement agents and agencies. Analysis of case law affecting criminal investigations. The course is designed to familiarize the student with the mechanics of investigative evidence processing techniques. (Formerly 332 and 333.) Prerequisite: 101, 230, or approval of program director.
- 419. INTERNSHIP IN CRIMINAL JUSTICE. 3 cr.** One semester of supervised service in a criminal justice agency. Open only to Criminal Justice majors who have completed at least 60 hours of course work and have no prior experience. Students must make application for the Internship the semester prior to that in which it will be taken.
- 499. SENIOR SEMINAR IN CRIMINAL JUSTICE. 3 cr.** A capstone course for the integration of knowledge concerning the criminal justice system, criminal law, criminology, juvenile delinquency, law enforcement, corrections, administration, legal aspects, and research methods. Prerequisite: Restricted to students receiving the baccalaureate degree in Criminal Justice. Registration is required during the semester in which the degree is to be received.
- 405. THEORIES OF CRIME AND DELINQUENCY. 3 cr.** An analysis of the extent of crime and delinquency; impact of crime and delinquency on society; physical, social, and psychological causation of crime and delinquency; and current issues in criminology. (Same as SOCL 405.)
- 415. JUVENILE DELINQUENCY AND JUSTICE. 3 cr.** The nature, extent, and causes of juvenile delinquency; factors in its treatment and prevention, including community and agency programs; and analysis of the legal system as it applies to juveniles. (Same as SOCL 415).
- 416. CONTEMPORARY ISSUES IN CRIMINAL JUSTICE. 3 cr.** Examination of the literature and analysis of current issues relevant to criminal justice. Prerequisite: Junior, Senior, or Graduate standing.
- 418. CONSTITUTIONAL LAW AND CRIMINAL JUSTICE. 3 cr.** Study of constitutional law and its applicability in the criminal justice system. (Same as Political Science 418). Prerequisite: Political Science 201.
- 429. MANAGEMENT OF CRIMINAL JUSTICE AGENCIES. 3 cr.** The application of supervisory and administrative principles to the management of correctional and police agencies in the United States. Students with prior credit for CJUS 413 and/or 414 are not eligible to receive credit in CJUS 429. Prerequisite: Junior or senior standing or permission of the department head.
- 491. DIRECTED STUDY. 1-3 cr.** Individual examination of relevant literature in student's area of interest as approved and directed by the major professor. May not be repeated for more than 3 hours credit. Prerequisite: Prior approval of supervising instructor.

CURRICULUM AND INSTRUCTION (CURR)

Undergraduate Requirements

Required for a major in Secondary Education: Educational Foundations 201; Curriculum and Instruction 285, 302, 303, 304, 375A, 386, 456, 483; Psychology 205, 301 and Reading 418A. Total of 40 semester hours.

For Undergraduates Only

- 285. APPLICATION OF INSTRUCTIONAL MEDIA & TECHNOLOGY. 3 cr.** This course is an introduction to the preparation, selection, application, evaluation, and integration of media and technology in instructional settings, including audiovisual and microcomputer applications. Laboratory practice includes the production of projected, nonprojected, and computer-based instructional materials.
- 302. INCLUSIVE INSTRUCTION FOR SECONDARY STUDENTS. 3 cr.** Psychological, social, and educational needs of exceptional, at-risk, and culturally diverse secondary students, including legal, social, and ethical issues. Must be admitted to Teacher Education.
- 303. MIDDLE AND SECONDARY SCHOOL METHODS I.. 3 cr.** Direct instruction and basic assessment strategies in specific content areas for grades 7-12. Must be admitted to Teacher Education.
- 304. MIDDLE AND SECONDARY METHODS II. 3 cr.** Integration of advanced teaching strategies and assessment strategies in specific content areas. Must be admitted to Teacher Education.
- 306. MATERIALS AND METHODS IN FOREIGN LANGUAGE. 3 cr.** Practices in teaching foreign language in high school. Must be admitted to Teacher Education.
- 307. MATERIALS AND METHODS IN ENGLISH. 3 cr.** Methods of organizing and presenting English materials in high school. Must be admitted to Teacher Education.
- 308. MATERIALS AND METHODS IN MATHEMATICS. 3 cr.** Techniques of organizing and teaching arithmetic, algebra and plane geometry in high school; solution of selected problems to illustrate fundamentals; interpretation and solution of reading problems. Must be admitted to Teacher Education.

For Undergraduates and Graduates

- 400. CORRECTIONAL TREATMENT. 3 cr.** An overview and an examination of the basics of classification and counseling approaches, emphasizing interpersonal skills development, data collection, interviewing, assessment techniques, and counseling. Prerequisite: 101, 270, and junior standing or approval of program director.

- 309. MATERIALS AND METHODS IN SCIENCE. 3 cr.** Methods of organizing and presenting materials in natural and physical sciences in high school. Must be admitted to Teacher Education.
- 311. MATERIALS AND METHODS IN SOCIAL STUDIES. 3 cr.** Materials, techniques, and methods of teaching social studies in high school. Must be admitted to Teacher Education.
- 312. MATERIALS AND METHODS IN ART. 3 cr.** Theory and application of classroom art. Must be admitted to Teacher Education.
- 313. MATERIALS AND METHODS IN SPEECH. 3 cr.** Materials, techniques and methods of teaching speech. Must be admitted to Teacher Education.
- 338. UPPER ELEMENTARY SCHOOL CURRICULUM AND INSTRUCTION STRATEGIES. 3 cr.** Procedures and techniques for developing skills to teach content areas in the upper elementary grades.
- 375-A. CLASSROOM, BEHAVIOR, AND INSTRUCTIONAL MANAGEMENT-SECONDARY. 3 cr.** An in-depth examination of theories, principles, and strategies of instructional organization and the study of technique for behavior and self management that will enhance the classroom environment. Prerequisite: Junior or senior standing. Must be admitted to Teacher Education. F, Sp
- 375-B. CLASSROOM, BEHAVIOR, AND INSTRUCTIONAL MANAGEMENT-ELEMENTARY. 3 cr.** A study of theories, strategies, and principles of effective classroom/behavior management and techniques for enhancing instructional planning and organizational skills. Prerequisite: Junior or senior standing. Must be admitted to Teacher Education. Take during professional semester 2. F, Sp
- 386. PROFESSIONAL GROWTH AND DEVELOPMENT. 1 cr.** Introduction to the process of documenting professional growth and development including preparation, selection, application, evaluation, and integration of portfolios. Must be admitted to Teacher Education. Take during professional semester 1. F, Sp
- 400. SENIOR SEMINAR. 1-3 cr.** Summary course in education. Open only to students with senior standing who have been admitted to a teacher education program.
- 456. STUDENT TEACHING IN HIGH SCHOOL. 9-12 cr.** Directed observation and supervised teaching in an approved secondary school. Must be admitted to Teacher Education and pass all applicable parts of PRAXIS. F, S

For Undergraduates and Graduates

- 414. CURRICULUM DESIGN AND EVALUATION. 3 cr.** Theory and practices of curriculum design and evaluation; social and psychological factors related to the adoption and acceptance of new programs in public schools.
- 429. DIAGNOSIS AND REMEDIATION OF READING IN SECONDARY SCHOOLS. 3 cr.** A study of diagnostic and remedial reading procedures as they apply to secondary schools. Prerequisite: Approval of instructor.
- 450. MULTICULTURAL EDUCATION. 3 cr.** Introduction to sub-cultures including political, economic, and social backgrounds and the impact on educational needs and methodology. Must be admitted to Teacher Education. Take during professional semester 1.
- 470. DRUG ABUSE EDUCATION. 3 cr.** Content and techniques for elementary and secondary school curriculum development and implementation in the area of drug abuse.
- 475. CRISIS PREVENTION IN THE SCHOOLS. 3 cr.** Designed to provide students practical training for non-violent intervention in the school setting. It will focus on ways to defuse and handle with confidence children, adolescents and adults who are disruptive and violent, and how to cope with violent confrontations and students armed with weapons. Prerequisite: Junior standing or approval of instructor.
- 481. CONTINUING STUDIES IN CURRICULUM AND INSTRUCTION. 1-3 cr.** Various topics in curriculum and instruction. May be repeated. Credit may not be applied toward a degree. Grade of CR (Credit) or NC (No Credit) will be awarded.

- 482. TECHNOLOGY FOR TEACHING AND LEARNING. 3 cr.** Provides experience with planning and delivery of instruction that integrates a variety of software, hardware, applications, and learning tools. Develops technology and content rich lessons that promote improved student learning and reflect effective grouping and assessment strategies for diverse populations. Prerequisite: CURR 285 or permission of instructor. F, Su
- 483. PRACTICUM. 3-6 cr.** Internship program designed to give supervised experience in the school. A. Elementary; B. Secondary. May be repeated for a total of 12 hours credit. Must be admitted to Teacher Education. F
- 485. INTEGRATING TECHNOLOGY INTO THE K-12 CURRICULUM. 3 cr.** Provides a survey of and practice with the applications of instructional technology to enhance learning. It provides a review of current and emerging technologies in instruction through an introduction to current research and variety of instructional software and hardware. Prerequisite: CURR 285 or permission of instructor. F, Su
- 491. DIRECTED STUDY. 1-6 cr.** Investigative study on selected problems by students with particular needs. By permission only.

DANCE (DANC)

Required for a minor: Dance 112, 114 or 214, 126 or 226, 128, 301, 405, 424, 491A, and additional hours from electives 125, 127, 129, 209, 214, 226, 491C, 491B, 491 Directed Study, and Kinesiology 432. Total of 21 semester hours.

For Undergraduates Only One hour technique courses

- 112. TAP DANCE. 1 cr.** The study of tap dance steps and techniques as related to theatre dance.
- 114. JAZZ DANCE I. 1 cr.** The study of jazz techniques with emphasis on style and rhythmic design.
- 125. MODERN DANCE I. 1 cr.** The study of modern dance techniques and principles of movement.
- 126. BALLET. 1 cr.** Ballet technique including ballet terminology, technical principles, and theory.
- 127. SOCIAL DANCE. 1 cr.** The instruction and practice of traditional and contemporary ballroom dancing.
- 128. THEATER DANCE. 1 cr.** Basic introduction to dance forms found on the musical, operatic, and theatrical stage, to include ballet, jazz, and tap. Students will develop a dance vocabulary and learn classic steps and combinations. Emphasis will also be placed on stage awareness and presence.
- 129. FOLK DANCE. 1 cr.** The instruction and practice of American and International folk dances.
- 209. MODERN DANCE II. 1 cr.** Advanced technique, movement combinations, choreography, and theory of modern dance.
- 214. JAZZ DANCE II. 1 cr.** Advanced technique, movement combinations, choreography, and theory of jazz dance.
- 226. BALLET II. 1 cr.** Maximum 4 credit hours. A continuation into the discipline and execution of ballet. Building on the basics of ballet, the student will move toward more advanced techniques. Emphasis will be on perfecting technical skills along with expanding the knowledge of ballet history and ballet terminology. This class is designed for the intermediate/advanced student. Prerequisites: DANC 126 or permission of instructor.
- 301. THEORY AND APPLICATION OF DANCE. 3 cr.** A study of various forms of dance, including recreational and concert dance, with emphasis on dance enjoyment, appreciation, skills, techniques, history and theory.

For Undergraduates and Graduates

405. **ADMINISTRATION OF DANCE. 3 cr.** The organization and administration of dance productions, dance festivals, and other dance performances.
424. **DANCE WORKSHOP. 1-3 cr.** A study of the art of dance, including history, terminology, techniques, composition, and elements of movement. Prerequisite: Appropriate dance background.
491. **DIRECTED STUDY. 6 cr. maximum.** Directed study and/or research in selected areas of dance: A. History and Philosophy of Dance. 1-3 cr. B. Dance Repertory Ensemble. 1-3 cr. C. Summer Dance Workshop. 1-3 cr. Prerequisite for all sections: Approval of department head. F, Sp, Su

DENTAL HYGIENE (DHYG)

Required for a major: 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 414, 415, 416, 417, 419, 420, 421, 422, 424, 426, 427, 428, 429, 431, 433, 434—Total of 59 semester hours.

101. **INTRODUCTION TO DENTAL HYGIENE. 1 cr.** An introduction to Dental Hygiene including an overview of the normal oral cavity, common pathological conditions, preventive measures, dental hygiene education, and community dentistry. F,Sp
318. **ORAL HISTOLOGY AND EMBRYOLOGY. 1 cr.** Microscopic studies with emphasis on development of the tissues and structures of the head, neck and oral cavity. Prerequisites: credit or registration in 319; Dental Hygiene 320, 321, 322, 323 or permission of department head.
319. **ORAL HISTOLOGY AND EMBRYOLOGY LAB. 1 cr.** A laboratory course to accompany 318. Two hours laboratory. Prerequisite: credit or registration in 318 or permission of department head.
320. **CLINICAL DENTAL HYGIENE ORIENTATION. 2 cr.** An orientation course designed to provide dental hygiene students with basic didactic background required for entry into the first clinical level of basic patient care. Prerequisite: registration in 321. F
321. **CLINICAL DENTAL HYGIENE TECHNIQUE. 2 cr.** An introduction to basic clinical techniques required for entry into the first clinical level of basic patient care. Designed to accompany 320. Prerequisite: registration in 320. F
322. **DENTAL ANATOMY. 3 cr.** The study of the anatomical, morphological and physiological characteristics of the human dentition. A laboratory component includes the identification and differentiation between various anatomical landmarks of the teeth. F
323. **HEAD AND NECK ANATOMY. 3 cr.** Designed to give the students a basic knowledge and understanding of head and neck anatomy. This includes terminology, osteology, and basic physiology, with special emphasis on the oral cavity. F
324. **GENERAL AND ORAL PATHOLOGY. 3 cr.** This course is designed to introduce the student to current concepts relative to the pathophysiologic mechanisms of human disease. The student is expected to acquire a fundamental knowledge of diagnostic principles regarding systemic disease in general and oral diseases in particular, as well as conceptual knowledge of treatment and prognostic principles. Prerequisites: 320, 321, 322, 323; registration in 325, 326. Sp
325. **CLINICAL DENTAL HYGIENE. 2 cr.** A continuation of 321. Concentration on the assessment, treatment and evaluation of patients demonstrating dental health to minimal disease. Implementation of preventive procedures to maintain dental health. Prerequisites: 318-319, 320, 321, 322, 323; registration in 326. Sp
326. **CLINICAL DENTAL HYGIENE LECTURE. 2 cr.** A didactic course to accompany 325 presenting information and techniques pertinent to the treatment of clinic patients. Concentration on dental health education, prevention of disease, evaluation and classification of oral conditions and introduction to dental emergencies. Prerequisite: registration in 325. Sp
327. **ORAL RADIOLOGY. 2 cr.** The study of the principles and theories of the x-ray machine. The technique of taking, processing and mounting dental x-ray film. Examination of the teeth and surrounding tissue through evaluation of x-ray and diagnostic models. Prerequisites: 320, 321, 322, 323; registration in 325, 326. Sp
414. **PERIODONTOLOGY. 3 cr.** The study of normal and abnormal periodontium, the etiology of periodontal disease including systemic factors, immune response and pathogenesis of plaque related factors. Diagnosis, prognosis, and treatment planning are applied to the various classifications of periodontal diseases. Prerequisites: Completion of 300 level Dental Hygiene courses; registration in 416, 417. Su
415. **DENTAL MATERIALS AND DENTAL ASSISTING. 2 cr.** This course will introduce the student to materials used in dentistry and their application. Students will apply this knowledge in the laboratory where they will demonstrate specific laboratory and clinical procedures. Dental Assisting and laboratory functions will be demonstrated. Prerequisites: Completion of all 300 level Dental Hygiene courses; registration in 416, 417. Su
416. **CLINICAL DENTAL HYGIENE. 1 cr.** A continuation of 325. Application of didactic and clinical techniques to patient experiences involving healthy patients or those with minimal disease. Prerequisite: registration in 417. Su
417. **CLINICAL DENTAL HYGIENE LECTURE. 1 cr.** A lecture to accompany Dental Hygiene 416 and a continuation of Dental Hygiene 326. Emphasis will be placed on the evaluation and conditions, dental restorations as they relate to these conditions and occlusion. Prerequisite: registration in 416. Su
418. **DENTAL HEALTH EDUCATION. 2 cr.** Principles of dental health in individual and group situations. Understanding the use of teaching methods, materials, and visual aids for individuals of all ages. Prerequisites: 414, 415, 416, 417; registration in 421, 422.
419. **COMMUNITY AND PREVENTIVE DENTISTRY. 2 cr.** The analysis, prevention and control of dental disease using a community approach. Includes information and skills necessary to assess community needs. Prerequisites: 414, 415, 416, 417; registration in 421, 422. F
420. **COMMUNITY AND PREVENTIVE DENTISTRY FIELD EXPERIENCE. 2 cr.** Continuation of 419. Primary focus is the application of public health principles through selected field experiences in current aspects of community dental health including needs assessment, program planning, and follow-up assessment of program success. Prerequisites: 419, 421, 422, 424, 433; registration in 428, 429. Sp
421. **CLINICAL DENTAL HYGIENE. 5 cr.** A continuation of Dental Hygiene 416. Clinical experiences with a variety of patients including pediatric, geriatric, and medically and developmentally compromised. Emphasis on the treatment of the patient with early periodontal disease. Prerequisites: 414, 415, 416, 417; registration in 422. F
422. **CLINICAL DENTAL HYGIENE LECTURE. 2 cr.** Course to accompany 421 presenting information and techniques pertinent to the assessment and treatment of a variety of dental hygiene patients. Emphasis on techniques and equipment used in the treatment of periodontal disease. Consideration of caries and periodontal tests and nutritional information in the treatment of clinic patients. Prerequisite: registration in 421. F
423. **SEMINAR. 2 cr.** Application of basic dental and dental hygiene sciences in developing patient treatment plans. Emphasis will be placed on the evaluation and synthesis of various treatment modalities for optimal patient care. Prerequisites: 414, 415, 416, 417; registration in 421, 422. Sp
- 424-425. **DENTAL HYGIENE PRACTICUM. 3 cr. each.** Introduction to dental hygiene educational philosophy and instructional techniques. Methods of teaching, seminar discussions, practical experiences in clinical and laboratory teaching and evaluation, program development. Prerequisites for 424: 414, 415, 416, 417; registration in 421, 422. Prerequisites for 425: 419, 421, 424, 431, 433; registration in 428, 429. Sp

- 426. SURVEY OF DENTAL SPECIALTIES. 1 cr.** Students learn the techniques used in the various specialties of dentistry such as periodontics, orthodontics, endodontics, oral surgery, prosthodontics, and hospital dentistry as they relate to the treatment of pediatric and geriatric patients. Prerequisites: 419, 421, 422, 431; registration in 428, 429, 433. Sp
- 427. ETHICS, JURISPRUDENCE AND PRACTICE MANAGEMENT. 2 cr.** Laws and ethics relating to the dental hygienist. Dental office policies and procedures. Prerequisites: 419, 421, 422, 431, 433; registration in 428, 429. Sp
- 428. CLINICAL DENTAL HYGIENE. 5 cr.** A continuation of 422. Clinical experiences with a variety of patients including pediatric, geriatric, medically compromised and developmentally challenged. Emphasis on the moderate to advanced periodontal patient. Prerequisites: 419, 421, 422, 431, 433; registration in 429. Sp
- 429. CLINICAL DENTAL HYGIENE LECTURE. 2 cr.** A didactic course to accompany 428. Continuation of the dental assessment and management of the medically compromised patient. Dental hygiene topics relevant to evidence-based practice of dental hygiene and professionalism issues will be discussed and debated. Prerequisite: registration in 428. Sp
- 430. PROBLEMS. 1-3 cr., maximum 9 cr.** Problems in Dental Hygiene. Prerequisites: 414, 415, 416, 417 and approval of the program director.
- 431. ADVANCED PERIODONTOLOGY. 2 cr.** A course emphasizing the role of the dental hygienist in total management of the periodontal patient, utilizing advanced concepts in treatment modalities and supportive maintenance care. Prerequisites: 414, 415, 416, 417; registration in 421, 422.
- 432. DIRECTED STUDY. 1-3 cr. Maximum, 9 cr.** Individual study and/or research in selected dental hygiene topics: A. Education and Supervision; B. Periodontology; C. Oral Pathology; D. Community & Preventive Dentistry; E. Basic Sciences; F. Clinical Dental Hygiene. Prerequisite: Approval of program director.
- 433. LOCAL ANESTHESIA & PAIN CONTROL. 2 cr.** This course is designed to instruct students in the art and science of local anesthesia. The course encompasses pre-anesthetic evaluation of the patient, management of the medically compromised patient, physiology and pharmacology of local anesthetics and the management of medical emergencies. Prerequisites: 414, 415, 416, 417; registration in 421, 422.
- 434. MANAGEMENT OF THE MEDICALLY COMPROMISED PATIENT. 3 cr.** The dental assessment and management of the medically compromised patient. Prerequisites: Credit in 414, 415, 416, 417, and registration in 421, 422.
- 202. MICROECONOMIC PRINCIPLES. 3 cr.** Focuses on such concepts as demand, supply, elasticity, production and cost. Analyzes market models of perfect competition, monopoly and imperfect competition. Includes discussion of international trade issues and government interventions. F, Sp, Su
- 301. MONEY AND BANKING. 3 cr.** The nature and function of money, credit and banking in the economic system. Modern monetary theory and problems; the course of financial development; international monetary relations; fiscal and monetary policies. Prerequisites: 201, 202. F, Sp
- 303. PERSONAL FINANCE AND MONEY MANAGEMENT. 3 cr.** The role of consumers in the functioning of the American economic system and their viewpoints in relation to economic problems affecting their interests, standards of living, budgets, consumer controls and government assistance to the consumer. Not applicable to a major or minor in Economics. Prerequisite: junior standing. F
- 305. BUSINESS CYCLES AND FORECASTING. 3 cr.** General characteristics of business cycles and theories as to their cause. Fluctuations in economic activity, their importance, principal explanations suggested, and proposed remedies. Methods of estimating the probable degree and direction of business and economic change with a view to reducing business risk and uncertainty. Prerequisite: 201, 202.
- 307. LABOR ECONOMICS 3 cr.** The historic setting, conditions of employment, wages, organization and conflicts, public interest, and regulation. Prerequisite: 202. F
- 309. LABOR LAW AND LEGISLATION. 3 cr.** Current position of public regulation in labor relations; economic analysis of legislative, executive, and judicial actions to determine rights, duties, and responsibilities of labor unions and employers. Prerequisite: 202.
- 311. INTERMEDIATE MICROECONOMIC ANALYSIS. 3 cr.** Theory and behavior of consumers, analysis of production and costs, optimal decision making by the firm in competitive, monopolistic and imperfectly competitive markets, optimal resource allocation. Prerequisite: 201, 202.
- 312. INTERMEDIATE MACROECONOMIC ANALYSIS. 3 cr.** Determinants of national income and employment. The role of consumption spending, business investment, government spending, and taxing and monetary policies in determining the level of economic activity. Prerequisites: 201, 202.
- 313. INTERNATIONAL TRADE. 3 cr.** The theory of international trade from Mercantilism and the Classical world to modern Neo-classical theories; the impacts of trade policies; economic integration. Prerequisites: 201, 202.
- 321. MANAGERIAL ECONOMICS. 3 cr.** Determination of optimal prices, output and input utilization. Estimation of demand and cost. Decision making in the presence and absence of market power. Prerequisites: 202, QMDS 210.
- 390. RESOURCE AND ENVIRONMENTAL ECONOMICS. 3 cr.** Application of microeconomic principles to problems involving exhaustible resources, renewable resources, and environmental services. Pollution, resource depletion, and the role of government in the market are discussed. Effects of policy tools such as taxation, ceiling prices, and emission standards are analyzed. Prerequisite: 201, 202. (Formerly Resource Economics.)
- 401. CURRENT PROBLEMS. 3 cr.** Current problems of economic life and possible solutions; analysis of present policies of government and industry as such policies are influenced by foreign economic organization and cooperation. Prerequisite: 201, 202.
- 403. PUBLIC SECTOR ECONOMICS. 3 cr.** Theory and practice of local, state, and federal government expenditures and revenues; shifting and incidence of the various forms of taxation; consideration of the integrating of revenues and expenditures into fiscal policy and reform. Prerequisite: 201, 202.
- 404. ECONOMICS OF INFORMATION. 3 cr.** Decision theory, monetary value of information, game theory, information problems associated with insurance markets such as adverse selection and moral hazard, and the economics of bargaining. Prerequisite: 202 and junior standing.

ECONOMICS (ECON)

Required for a major: Economics 301, 311, 312, 313, and 12 additional semester hours of junior/senior level Economics electives, 6 semester hours of junior/senior level Business Administration electives — Total of 30 semester hours.

Required for a minor: Economics 201, 202, 301, and 9 additional hours from courses numbered 305 or above — Total of 18 semester hours.

For Undergraduates Only

- 103. CONTEMPORARY ECONOMIC ISSUES. 3 cr.** Introduction to the analysis of current national issues, including international business issues and business ethics, using the economic approach. Not open to students with prior credit in both Economics 201 and 202. F, Sp
- 201. MACROECONOMIC PRINCIPLES. 3 cr.** Focuses on the overall economic issues of unemployment, inflation, the level and distribution of national income, growth and international trade. Competing macroeconomic models are analyzed along with the tools of government fiscal and monetary policy. F, Sp, Sum

409. **GOVERNMENT REGULATION AND CONTROL. 3 cr.** Economic principles as applied to government regulation of business. The impact of legislation and commission regulation on public policies. The regulatory effect of tax laws. Prerequisite 201, 202.
491. **DIRECTED STUDY. 3 cr.** Individual study of selected economics topics under the direction of a senior faculty member. Prerequisite: Approval of Department Head. F, Sp, Sum

For Undergraduates and Graduates

410. **ECONOMICS OF AGING. 3 cr.** An examination of issues related to the economic status of persons as they grow older. Attention will be given to problems and policies which relate to income maintenance planned and unplanned expenditures, inflation, reduced income, post-retirement employment, public and private pensions, health insurance, pre-retirement counseling and legislative reforms. (Same as GERO 410) Prerequisite: 201 or SOCL 101 or permission of instructor. (Formerly 510) F
420. **ECONOMETRICS. 3 cr.** Econometric theory and modeling stressing time series forecasting of macroeconomic variables. Applied analysis using regression techniques with some cross-section estimation. Prerequisite: 305 or 312, QMDS 210.

**EDUCATIONAL ADMINISTRATION
AND SUPERVISION
(EDAS)**

For Undergraduates and Graduates

481. **CONTINUING STUDIES IN EDUCATIONAL ADMINISTRATION AND SUPERVISION. 1-3 cr.** Various topics in educational administration and supervision. Credit may not be applied toward a degree. May be repeated. Grade of CR (Credit) or NC (No Credit) will be awarded.

**EDUCATIONAL FOUNDATIONS
(EDFN)**

For Undergraduates Only

201. **INTRODUCTION. 3 cr.** Orientation to teaching; opportunities; certification; legal aspects; organization, administration and financing of public education; history and philosophy of education; multicultural education. Twenty (20) hours of classroom observation will be completed during this course. F, Sp, S
403. **RESEARCH FOR PRACTITIONERS. 3 cr.** An introduction to research, through which students will become consumers of research in their respective fields.

For Undergraduates and Graduates

401. **ASSESSMENT. 3 cr.** Principles of tests and measurements for elementary and secondary teachers; types of tests; essentials of test items; objective and standardized tests. Must be admitted to Teacher Education. F, Sp, S
430. **SPECIAL TOPICS. 1-6 cr. Maximum, 6 cr.** A. Study of International Education on Location; B. Study of United States School Systems on Location; C. Comparative Education; D. Evaluation in Education; E. Educational Technology and Media.
436. **EDUCATIONAL DATA PROCESSING. 3 cr.** Principles of electronic data processing in education.
439. **FUNDAMENTALS OF STATISTICS IN EDUCATION. 3 cr.** Tools necessary for competence in education statistics. Algebraic, geometric and trigonometric functions; principles of scaling and score transformation; principles of reliability and validity estimation.
481. **CONTINUING STUDIES IN EDUCATIONAL FOUNDATIONS. 1-3 cr.** Various topics in educational foundations including educational evaluation, media and technology. Credit may not be applied toward a degree. May be repeated. Grade of CR (Credit) or NC (No Credit) will be awarded.
491. **DIRECTED STUDY. 1-6 cr.** Investigative study on selected problems by students with particular needs.

**ELEMENTARY EDUCATION
(ELED)**

Undergraduate Requirements

Required for a major in Elementary Education: CURR 285, 375B; Educational Foundations 201, 401; Elementary Education 340, 341, 342, 441, 442, 443, 461, 463; Psychology 203, 301; Special Education 202. Total of 59 semester hours.

For Undergraduates Only

301. **PRINCIPLES OF TEACHING IN THE ELEMENTARY SCHOOL. 3 cr.** Procedures and techniques of teaching in the elementary school.
340. **BALANCED LITERACY: PRIMARY GRADES. 6 cr.** Integration of reading, writing, spelling, listening in a balanced literacy program for students in primary grades. Must be admitted to Teacher Education. Take during professional semester 1. F, Sp
341. **BALANCED LITERACY: INTERMEDIATE GRADES. 6 cr.** Integration of reading, writing, speaking, and listening strategies in teaching intermediate grade students how to enhance comprehension and responses to text and visual formats. Must be admitted to Teacher Education. Take during professional semester 2. F, Sp
342. **ELEMENTARY SOCIAL STUDIES METHODS. 3 cr.** Integrative elementary social studies methods designed to promote organizational skills and content utilizing sound research, theory, and practice. Must be admitted to Teacher Education. Take during professional semester 3 F, Sp
419. **MATHEMATICS/SCIENCE METHODOLOGY. 4 cr.** The purpose of this course is to present techniques of organizing and teaching science and mathematics at the elementary school level. Must be admitted to Teacher Education. Includes supervised experiences in the school. (Formerly 415 and 416.)
420. **LANGUAGE ARTS/SOCIAL STUDIES METHODOLOGY. 4 cr.** The major purpose of this course is to present techniques of organizing and teaching Language Arts and Social Studies at the elementary school level. Must be admitted to Teacher Education. Includes supervised experiences in the school. (Formerly 417 and 418).
421. **GENERIC METHODOLOGY. 1 cr.** The major purpose of this course is to present those techniques and methods that are common to all elementary courses. Must be admitted to Teacher Education. Includes supervised experiences in the school.
441. **SCIENCE METHODOLOGY. 3 cr.** Techniques for organizing and teaching science at the lower and upper elementary school levels. Must be admitted to Teacher Education. Take during professional semester 3. F, Sp
442. **LOWER ELEMENTARY MATHEMATICS METHODOLOGY. 3 cr.** Techniques of organizing and teaching mathematics at the lower elementary level. Must be admitted to Teacher Education. Take during professional semester 3. F, Sp
443. **UPPER ELEMENTARY MATHEMATICS METHODOLOGY. 3 cr.** Techniques of organizing and teaching mathematics at the upper elementary level. Must be admitted to Teacher Education. Take during professional semester 3. F, Sp
461. **STUDENT TEACHING IN THE LOWER ELEMENTARY SCHOOL. 5 cr.** Directed observation and participation in classroom activities in the lower grades in an approved elementary school. Must be admitted to Teacher Education and pass all applicable parts of PRAXIS. Take during professional semester 4. F, Sp
462. **STUDENT TEACHING FOR EARLY CHILDHOOD EDUCATION. 6 cr.** Directed observation and participation in kindergarten and nursery school classroom activities. Must be admitted to Teacher Education and pass all applicable parts of PRAXIS. F, Sp

- 463. STUDENT TEACHING IN THE UPPER ELEMENTARY SCHOOL. 5 cr.** Directed observation and participation in classroom activities in the upper grades in an approved elementary school. Must be admitted to Teacher Education and pass all applicable parts of PRAXIS. Take during professional semester 4. F, Sp
- 464. STUDENT TEACHING IN THE LOWER ELEMENTARY SCHOOL. 9 cr.** Directed observation and participation in classroom activities in the lower grades in an approved elementary school. Must be admitted to Teacher Education and pass all applicable parts of PRAXIS. F, Sp
- 465. STUDENT TEACHING IN THE LOWER ELEMENTARY SCHOOL. 12 cr.** Directed observation and participation in classroom activities in the lower grades in an approved elementary school. Must be admitted to Teacher Education and pass all applicable parts of PRAXIS. F, Sp
- 466. STUDENT TEACHING IN THE UPPER ELEMENTARY SCHOOL. 12 cr.** Directed observation and participation in classroom activities in the upper grades in an approved elementary school. Must be admitted to Teacher Education and pass all applicable parts of PRAXIS. F, Sp

For Undergraduates and Graduates

- 425. WORKSHOP IN ELEMENTARY EDUCATION. 3 cr. Maximum, 12 cr.** In-service workshop designed to meet identified needs of individuals, schools, or districts. May not be applied to degree.
- 451. EARLY CHILDHOOD EDUCATION. 3 cr.** History, trends and principles of educational programs for children between the ages of three and six. Must be admitted to Teacher Education. F, Sum
- 452. NURSERY SCHOOL AND KINDERGARTEN. 3 cr.** Materials, methods, organization, and administration of nursery schools and kindergartens. Prerequisite: 451. Must be admitted to Teacher Education. Sp, Sum
- 453. LANGUAGE EXPERIENCES FOR EARLY CHILDHOOD EDUCATION. 3 cr.** Techniques and strategies for developing languages and teaching language skills to pre-school children. Prerequisite: Must be admitted to Teacher Education.
- 454. CREATIVE ACTIVITIES FOR EARLY CHILDHOOD EDUCATION. 3 cr.** An investigation of methods to develop children's creative activities within specific content areas. Prerequisite: Must be admitted to Teacher Education. Sum
- 483. PRACTICUM. 3-6 cr.** Internship program designed to give supervised experience in the school: A. Reading; B. Early Childhood-Kindergarten/Nursery School; C. Elementary Education. Must be admitted to Teacher Education.
- 491. DIRECTED STUDY. 1-6 cr.** Investigative study on selected problems by students with particular needs.

ENGLISH (ENGL)

Undergraduate Requirements

Required for a major: 101 and 102; 201 and 202; 205 or 206 (counts towards Core Humanities); Sophomore English Literature elective; 350 or 351; and 24 additional upper division hours to include: 18 hours at the 400 level to satisfy English distribution requirements; 425 or 482 or 483; 1 upper-level English elective course. Total of 42 semester hours.

Required for a minor: English 101-102; any 2 of 201, 202, 203, 204, 205, 206; 350 or 351, and 9 additional upper division hours at the 400 level—Total of 24 semester hours.

Required for a major (English Education): 101-102; 201-202; 205 or 206, 325 and 426; 437 or 438; 478 or 479; 481, 482 or 483. Total of 33 semester hours. (See

specific degree plan in the College of Education and Human Development section).

Required for a minor (English Education): 101-102; 201-202; 205 or 206; 478 or 479; 325. Total of 21 semester hours. Teacher certification in this minor area requires 30 credit hours or the Praxis content specialty exam.

A grade of "C" or better is required in all English courses for those majoring in English.

For Undergraduates Only

A grade of "C" or better in English 102 is required for enrollment in English courses that are 200 level and above.

Students whose placement criteria indicate that they are deficient in basic English skills will be required to pass English 090 with a grade of "C" or better before enrolling in English 101.

A student whose ACT/SAT score places them in developmental English or math must successfully complete the course or courses within the first three semesters of enrollment at the University of Louisiana at Monroe to be eligible to maintain continued enrollment. A maximum of three attempts (including drop "W" attempts) will be allowed for the required course. Students who fail to meet this requirement during this time limit must successfully complete the developmental course at another university or community college before being eligible to return to ULM.

- 090. GRAMMAR AND COMPOSITION. 5 cr.** Intensive instruction in basic grammar and composition. Five semester hours will be added to the degree program of any student required to take this course.
- 101. COMPOSITION I. 3 cr.** Composition of analytical, expository, and argumentative writing; emphasizing writing as a process that includes analyzing a writing situation, prewriting, drafting, revising, and some documentation. Prerequisite: See explanation above.
- 102. COMPOSITION II. 3 cr.** Composition of analytical and argumentative writing using documentation and research. Prerequisite: 101 with "C" or better.
- 110H. HONORS ENGLISH. 3 cr.** A writing intensive course which introduces outstanding examples from world literature while developing the skills necessary to think and to write critically. Prerequisite: Admission to the Honors Program or permission of the Honors Council. Acceptance to the Honors Program and successful completion of English 110H substitute for English 102. Honors students are not required to take English 101. English 110H fulfills three hours of the total number of hours in English required in any curriculum.
- 201. ENGLISH LITERATURE. 3 cr.** Texts through the eighteenth century. Content varies.
- 202. ENGLISH LITERATURE. 3 cr.** Texts from Romanticism to the present. Content varies.
- 203. WORLD LITERATURE. 3 cr.** Texts through the Renaissance, in English translation. Contents varies.
- 204. WORLD LITERATURE. 3 cr.** Texts from the Enlightenment to the present, in English translation. Content varies.
- 205. AMERICAN LITERATURE. 3 cr.** Texts to the Civil War. Content varies.
- 206. AMERICAN LITERATURE. 3 cr.** Texts from the Civil War to the present. Content varies.

- 209H. HONORS ENGLISH. 3 cr.** A study of major works of British Literature, designed to strengthen the students' critical abilities and writing skills. Prerequisite: Admission to the Undergraduate Honors Program or permission of the Honors Council.
- 216. AFRICAN-AMERICAN LITERATURE. 3 cr.** A thematic and cultural study of works of Afro-American writers.
- 217. THE AFRICAN-AMERICAN EXPERIENCE IN LITERATURE. 3 cr.** The black experience in America as portrayed by major black and white writers through their characters and thematic materials.
- 219H. HONORS ENGLISH. 3 cr.** A study of major works of American Literature designed to strengthen the students' critical abilities and writing skills. Prerequisite: Admission to the Honors Program or permission of the Honors Council.
- 250. SPECIAL TOPICS. 3 cr.** Introduction to varying literary types and themes. Content varies. A. Women in Literature. B. Business in American Literature: Ethical and Social Inquiries. C. The Law and Literature. D. American Humor. E. Writings on Nature and Science. F. Horror I. Poets of Protest—1950-1969.
- 303. LITERATURE AND FILM. 3 cr.** The study of film adaptations with a focus on American literature and films as reflections of our national identity. Prerequisite: 102 or 103.
- 304. THE FILM: ANALYSIS AND CRITICISM. 3 cr.** The theory and criticism of film, analysis of film as art form and entertainment medium; evaluation of trends in film presentation. (Same as MCOM 473)
- 309. LOUISIANA LIFE AND LITERATURE. 3 cr.** Louisiana's cultural heritage and folklore as preserved in her literature. Short stories, poetry, drama, and novels will be read including representative works by George Washington Cable, Kate Chopin, Ernest Gaines, Walker Percy, Robert Penn Warren, and Tennessee Williams. Prerequisite: 102.
- 310. SCIENCE FICTION. 3 cr.** Selected readings in contemporary science fiction.
- 311. THE SHORT STORY. 3 cr.** The development and techniques of the short story with emphasis on literary appreciation.
- 312. CONTEMPORARY AMERICAN FICTION. 3 cr.** Critical analysis of selected novels written since World War II.
- 315. CREATIVE WRITING. 3 cr.** Writing and criticism of short stories, essays, one-act plays, and poetry.
- 320. PROFESSIONAL WRITING AND COMMUNICATION: PHARMACY. 3 cr.** Instruction in technical and professional writing and communication in pharmaceutical science and toxicology. Emphasis on written and oral forms. Includes practice in documentation, collaboration, oral presentation and research in the field. Prerequisites: ENGL 102 or 103; junior standing; restricted to pharmacy and toxicology majors. (Formerly ENGL 220A)
- 321. PROFESSIONAL WRITING AND COMMUNICATION: HEALTH SCIENCES. 3 cr.** Instruction in technical and professional writing and communication in health sciences. Emphasis on written and oral forms. Includes practice in documentation, collaboration, oral presentation and research in the field. Prerequisites: ENGL 102 or 103; junior standing or permission of English department head; restricted to health sciences majors. (Formerly ENGL 220A)
- 322. PROFESSIONAL WRITING AND COMMUNICATION: SCIENCES AND APPLIED SCIENCES. 3 cr.** Instruction in technical and professional writing and communication in sciences and applied sciences. Emphasis on written and oral forms. Includes practice in documentation, collaboration, oral presentation and research in the field. Prerequisites: ENGL 102 or 103; junior standing or permission of English department head; restricted to biology, chemistry, geosciences, computer science, aviation, and agriculture majors. (Formerly ENGL 220B)
- 323. PROFESSIONAL WRITING AND COMMUNICATION: ARTS, HUMANITIES, AND SOCIAL SCIENCES. 3 cr.** Instruction in technical and professional writing and communication for arts, humanities, and social sciences. Emphasis on written and oral forms. Includes practice in documentation, collaboration, oral presentation, graphics and design, and research. Prerequisites: ENGL 102 or 103; junior standing or permission of English department head; restricted to Arts and Sciences and Construction majors EXCEPTING biology, chemistry, geosciences, agriculture and math majors. (Formerly ENGL 220C).
- 325. ADVANCED GRAMMAR. 3 cr.** Prerequisite: 102.
- 326. ADVANCED COMPOSITION. 3 cr.** Factual, narrative, biographical, informal, and critical essays with intensive study of prose techniques. Prerequisite: 102.
- 350. JUNIOR SEMINAR: PROSE. 3 cr.** Intensive study of a significant body of prose works, with an emphasis on close reading. Prerequisite: any two of 201, 202, 203, 204, 205 and 206.
- 351. JUNIOR SEMINAR: POETRY/DRAMA. 3 cr.** Intensive study of a significant body of poetry and/or drama, with an emphasis on close reading. Prerequisite: any two of 201, 202, 203, 204, 205 and 206.
- 393. MYTHOLOGY OF THE GREEKS AND ROMANS. 3 cr.** Tales of the gods, heroes, and great families that have influenced literature, art, and music. (Same as Latin 303.)
- 394. CLASSICAL TRAGEDY AND COMEDY. 3 cr.** The study of major Greek and Roman plays.
- 441. ADVANCED TECHNICAL WRITING. 3 cr.** Emphasis on technical report writing, proposal writing and instruction writing. Prerequisite: One of ENGL 320, 321, 322, or 323 (Formerly ENGL 220A, B, C, D)
- 442. STYLE AND EDITING IN TECHNICAL WRITING. 3 cr.** A study of the varieties of technical style and techniques of editing and revision.
- 443. WRITING COMPUTER DOCUMENTATION. 3 cr.** Writing manuals, user guides, memoranda, proposals, and on-screen instructions for use within the computer industry. Prerequisites: One of ENGL 320, 321, 322, or 323 or BUSN 305.
- 450. DIRECTED STUDY. 1-3 cr.** May be repeated for a total of 6 credits. Directed study in selected topics in A. Literature(s), B. Creative Writing, C. Critical Theory, D. Rhetoric/Composition Praxis and Theory. Prerequisite: Advanced standing and approval of department head.
- 480. INTERNSHIP IN TECHNICAL AND PROFESSIONAL COMMUNICATION. 3 cr., 6 cr. max.** Advanced instruction and on-the-job experience in technical writing.

For Undergraduates and Graduates

- 405. ENGLISH NOVEL TO 1800. 3 cr.** Critical analysis of major novels and study of origin and development.
- 406. NINETEENTH CENTURY ENGLISH NOVEL. 3 cr.** Critical analysis of major novels and study of changes in aim and technique.
- 407. TWENTIETH CENTURY ENGLISH NOVEL. 3 cr.** Critical analysis of major novels and study of changes in aim and technique.
- 409. MODERN POETRY. 3 cr.** Analysis of structure, form, and content of significant works of selected twentieth-century British and American poets.
- 410. MODERN DRAMA. 3 cr.** Selected contemporary English, continental, and American dramas.
- 413. AMERICAN NOVEL. 3 cr.** Critical analysis of major novels and study of the context.
- 416. MODERN EUROPEAN FICTION. 3 cr.** Selected English works, as well as continental novels that have been translated into English.
- 420. RESEARCH FOR TECHNICAL WRITERS. 3 cr.** Materials, methods, and techniques of research required of the technical writer.
- 421. THE LITERATURE OF THE BIBLE. 3 cr.** Selected books from the Old and New Testaments, with emphasis on their literary value and influence on English and American literature.
- 425. LITERARY CRITICISM. 3 cr.** Major aesthetic theories related to exercises in practical criticism.
- 426. MULTICULTURAL LITERATURE. 3 cr.** Introduction to the multicultural literature of the world.
- 427. LITERATURE OF THE SOUTH. 3 cr.** Representative writers of the myth and reality of The South.

- 436. CHAUCER. 3 cr.** Studies in *The Canterbury Tales* and selected other works of Geoffrey Chaucer.
- 437. SHAKESPEARE'S TRAGEDIES. 3 cr.** Representative tragedies, with emphasis on principles governing the genre.
- 438. SHAKESPEARE'S COMEDIES AND HISTORIES. 3 cr.** Representative comedies and histories, with emphasis on Shakespeare's development as a dramatic artist.
- 439. MILTON. 3 cr.** The major poems and selected prose and minor poetry.
- 440. GRAPHIC PRESENTATION IN TECHNICAL COMMUNICATION. 3 cr.** The theory, use, and creation of graphic/visual aids in technical communication.
- 444. WRITING IN THE SCIENCES. 3 cr.** Writing professional documents (abstracts, proposals, research) and developing professional presentations for the scientific community with emphasis on rhetorical strategies and the conventions of scientific discourse. Prerequisite: One of ENGL 320, 321, 322, 323 or consent of department head.
- 471. MEDIEVAL LITERATURE. 3 cr.** Selected English or European works before 1500, excluding Chaucer.
- 472. RENAISSANCE. 3 cr.** Non-dramatic poetry and prose of the Tudor Period.
- 473. SEVENTEENTH CENTURY. 3 cr.** Development of English prose and poetry from the beginning of the Jacobean Age through the Restoration.
- 474. EIGHTEENTH CENTURY. 3 cr.** Major English writers of the Augustan and Johnsonian periods.
- 475. ROMANTIC MOVEMENT. 3 cr.** Representative writers and works of the Romantic period.
- 476. VICTORIAN PERIOD. 3 cr.** Representative writers and works of the British Victorian era.
- 478. AMERICAN LITERARY MASTERS. 3 cr.** Works of major writers to 1850.
- 479. AMERICAN LITERARY MASTERS. 3 cr.** Works of major writers from 1850 to the present.
- 481. EXPOSITORY WRITING. 3 cr.** Development of the ability to communicate accurately and effectively in writing, with emphasis on the teaching of writing in all disciplines.
- 482. LINGUISTICS. 3 cr.** An introduction to theories and analysis of language structure and use.
- 483. HISTORY OF THE ENGLISH LANGUAGE. 3 cr.** The origins and development of the English language, including evolution of syntax, accretion of vocabulary, and study of pronunciation in England and the United States.
- 490. ADVANCED POETRY WRITING. 3 cr.** The writing of poetry, with emphasis on voice, style, and vision.
- 491. ADVANCED FICTION WRITING. 3 cr.** The writing of fiction, with emphasis on voice, style, and fictive worlds.
- 501. LOW INTERMEDIATE READING AND WRITING. 5 cr.** The first of two intermediate English reading and writing courses for non-native speakers. Prerequisite: A minimum of "C" in ESL-071 or placement based on English competency tests given by the Department of Foreign Languages. Students will receive a grade of A, B, C, or NC.
- 502. LOW INTERMEDIATE STRUCTURE. 5 cr.** The first of two intermediate English structure courses for non-native speakers. Prerequisite: A minimum of "C" in ESL-072 or placement based on English competency tests given by the Department of Foreign Languages. Students will receive a grade of A, B, C, or NC.
- 503. PRONUNCIATION. 2 cr.** The second of two English pronunciation courses for non-native speakers. A continuation of ESL-073. Focuses on increasing accuracy in pronunciation. Addresses individual needs. Prerequisite: A minimum of "C" in ESL-073 or placement based on English competency tests given by the Department of Foreign Languages. Students will receive a grade of A, B, C, or NC.
- 504. LOW INTERMEDIATE ORAL PROFICIENCY. 3 cr.** The first of two intermediate oral proficiency courses for non-native speakers. Emphasis on fluency and communication skills in real life academic and non-academic contexts. Prerequisite: A minimum of "C" in ESL-074 or placement based on English competency tests given by the Department of Foreign Languages. Students will receive a grade of A, B, C, or NC.
- 509. INTERMEDIATE READING AND WRITING. 5 cr.** The second of two intermediate English reading and writing courses for non-native speakers. Prerequisite: A minimum of "C" in ESL-081 or placement based on English competency tests given by the Department of Foreign Languages. Students will receive a grade of A, B, C, or NC.
- 502. INTERMEDIATE STRUCTURE. 5 cr.** The second of two intermediate English structure courses for non-native speakers. Prerequisite: Minimum of "C" in ESL-082 or placement based on competency tests given by the Department of Foreign Languages. Students will receive a grade of A, B, C, or NC.
- 503. AURAL COMPREHENSION. 2 cr.** A listening comprehension course for non-native speakers. Listening and note taking skills within an academic context. Subject matter comprehension and paralinguistic cues in academic interaction. Prerequisite: A minimum of "C" in ESL-083 or placement based on English competency tests given by the Department of Foreign Languages. Students will receive a grade of A, B, C, or NC.
- 504. INTERMEDIATE ORAL PROFICIENCY. 3 cr.** The second of two intermediate oral proficiency courses for non-native speakers. Continued emphasis on refinement of conversation skills. Special emphasis on American idiom in academic and non-academic contexts. Prerequisite: A minimum of "C" in ESL-084 or placement based on English competency tests given by the Department of Foreign Languages. Students will receive a grade of A, B, C, or NC.

ENGLISH AS A SECOND LANGUAGE (ESLG)

- 071. BEGINNING READING AND WRITING. 5 cr.** A beginning English reading and writing course for non-native speakers. Students will receive a grade of A, B, C, or NC.
- 072. BEGINNING STRUCTURE. 5 cr.** A beginning English structure course for non-native speakers. Students will receive a grade of A, B, C, or NC.
- 073. PRONUNCIATION. 2 cr.** The first of two English pronunciation courses for non-native speakers with emphasis on phonetics, rhythm, stress and intonation and the features of English phrasing. Students will receive a grade of A, B, C, or NC.
- 074. BEGINNING ORAL PROFICIENCY. 3 cr.** A beginning English oral proficiency course for non-native speakers. Development of basic conversation skills utilizing the language laboratory, classroom and extended activities. Students will receive a grade of A, B, C, or NC.
- 103. ADVANCED STRUCTURE, GRAMMAR AND COMPOSITION. 6 cr.** An advanced course in the study of the English language for non-native speakers emphasizing the acquisition of skills necessary in academic written English. Students will receive a grade of A, B, C, or NC. (An F will be given only for cheating or for excessive absences.) Undergraduate students who earn a "C" or better will receive 3 hours of credit for English 101.
- 104. ADVANCED READING AND VOCABULARY. 3 cr.** An advanced course in the study of the English language for non-native speakers emphasizing the acquisition of vocabulary and reading comprehension skills appropriate to academic English. Students will receive a grade of A,B,C, or NC. (An F will be given only for cheating or for excessive absences.)
- 105. ADVANCED READING, WRITING, AND STRUCTURE. 9 cr.** An advanced course in the study of the English language for non-native speakers. This course deals with English structure, reading and writing. Successful completion of this course ("C" or better) satisfies the requirements of English 101. Prerequisite: A minimum of "C" in ESL-091 and 092 or placement based on English competency tests given by the Department of Foreign Languages.

- 106. **ADVANCED ORAL LANGUAGE DEVELOPMENT. 3 cr.** An advanced speaking course for non-native speakers. Focuses on academic and pre-professional speaking tasks. Prerequisite: A minimum of "C" in ESL-093 and ESL-094 or placement based on English competency tests given by the Department of Foreign Languages. Students will receive a grade of A, B, C, or NC. (An F will be given only for cheating or for excessive absence.)
- 107. **THE AMERICAN EXPERIENCE. 3 cr.** An advanced cultural orientation course for International Students with continued emphasis on understanding, speaking, reading, and writing at an advanced level. Prerequisite: A minimum of "C" in ESL-105 or placement based on competency tests given by the Department of Foreign Languages.
- 108. **ADVANCED READING, WRITING, AND STRUCTURE. 9 cr.** An advanced course in the study of the English language for non-native speakers. This course deals with English structure, reading, and writing. Students will receive a grade of A,B,C, or NC. Prerequisite: Graduate standing and a minimum of "C" in ESLG 091 and 092 or placement based on English competency tests given by the Department of Foreign Languages.

**ENTREPRENEURSHIP
(ENTR)**

Required for a major in Entrepreneurship: 250, 351, 352, 353, 432, 433, and 435, and nine hours of junior/senior level business administration electives - Total of 30 semester hours.

Required for a minor in Entrepreneurship: 250, 352, 353, 432, 433; Accounting 110 (or 212-213); - Total of 18-21 semester hours.

For Undergraduates Only

- 250. **ENTREPRENEURSHIP. 3 cr.** This course will explore the unique aspects of entrepreneurship in modern society. Students will learn how to identify, assess, and develop business ideas and how to locate and evaluate business opportunities. Prerequisites: None. F, S
- 351. **ENTREPRENEURIAL INFORMATION AND ANALYSIS. 3 cr.** Integrated computer and accounting systems for new, small, and growing enterprises. The application of hardware and software and software technology to management, accounting, and finance in small businesses. Prerequisite: CINS 205.
- 352. **ENTREPRENEURIAL FINANCE. 3 cr.** Financing of new and growing business enterprises; structuring, valuing, and pricing new venture deals, and sources and uses of funds; financial analysis and forecasting, capital budgeting, and working capital management in new, growing enterprises; later stage financing, going public. Prerequisite: Junior standing. (Same as Finance 330)
- 353. **ENTREPRENEURIAL MARKETING. 3 cr.** Marketing during the start up and growth stage of new ventures in a dynamic economy at the local, national, and international level. Emphasis on the application of marketing fundamentals in new growing ventures. Prerequisite: Junior standing. (Same as Marketing 330)
- 435. **FAMILY AND CLOSELY HELD BUSINESSES. 3 cr.** Practical considerations associated with family businesses. Focus on unique opportunities and problems of managing family business through the business life cycle, such as founder stage, training children, bringing children into the business, and managing for succession. Prerequisite: Senior standing or consent of instructor. (Formerly MGMT 333.) F

For Undergraduates and Graduates

- 432. **NEW VENTURE CREATION. 3 cr.** Developing, planning, and running new enterprises. Analysis and pursuit of new business opportunities, and development of business plans. Prerequisites: 250 and senior standing; or consent of instructor. (Formerly MGMT 332.) F

- 433. **ENTERPRISE MANAGEMENT. 3 cr.** Students will study the application of management concepts to new and growing ventures. Analysis of organizational design, planning, implementation, and control of enterprises; social and ethical considerations in managing enterprises; and production, decision making, and behavioral factors in new and growing venture management. Prerequisite: Junior/senior standing or consent of instructor. (Formerly MGMT 330.) F, Sp

**EQUINE SCIENCE
(EQSC)**

Required for an Equine Science minor: 20 semester hours selected from Equine Science courses. Total of 20 semester hours.

For Undergraduates Only

- 201. **INTRODUCTION TO EQUINE SCIENCE. 3 cr.** An introduction to the horse, including a study of the evolution, history, breeds, conformation, facilities, and other basic concepts. Two hours lecture and two hours laboratory. (Formerly EQSC 330)
- 220. **HORSE HANDLING TECHNIQUES. 3 cr.** A study of proper horsemanship techniques including handling, riding, training techniques, and basic care. One hour lecture and three hours laboratory.
- 345. **EQUINE MARKETING AND SALES. 3 cr.** Practical concepts and experience in marketing horses including analysis of pedigrees, evaluation of conformation, production costs, assessing the market, targeting customers, preparing and presenting the horse. One hour lecture and three hours laboratory. Prerequisites: EQSC 201 and EQSC 220.
- 350. **EQUINE REPRODUCTION. 3 cr.** Principles of equine reproduction including the reproductive tracts, breeding cycles, methods of breeding, pregnancy, and foaling; and common equine reproductive management practices. Two hours lecture and two hours laboratory. Prerequisite: EQSC 201. (Formerly EQSC 340 and 341)
- 360. **EQUINE NUTRITION AND GENETICS. 3 cr.** Principles and practice of equine nutrition and genetics, including digestive system, digestive disturbances, feeding, heredity, and coat color. Two hours lecture and two hours laboratory. Prerequisite: EQSC 201.
- 370. **EQUINE HEALTH AND EXERCISE SCIENCE. 3 cr.** Principles and practice of equine health and exercise science, including diseases, immunology, parasites, respiration, cardiovascular and muscular system. Two hours lecture and two hours laboratory. Prerequisites: EQSC 201. (Formerly 413)
- 401. **EQUINE ENTERPRISES. 3 cr.** A study and analysis of the various equine enterprises including business planning, contracts, revenue sources, expenses, and facilities management. Three hours lecture. Prerequisite: EQSC 201.
- 420. **THERAPEUTIC EQUITATION. 3 cr.** Individualized instruction on basic horsemanship as it relates to therapeutic horseback riding. Specific areas include safety, equipment, riding, anatomy/conformation, techniques of instruction, and familiarization of rider capabilities, limitations, and disabilities.

**FAMILY AND CONSUMER SCIENCES
(FCSC)**

Undergraduate Requirements

Required for a major, all concentrations: 104 or 221, 105, 113, 115, 114 or 116, 117, 206, 404; and 37 semester hours of specialty electives-Total of 55 semester hours.

Required for a concentration in Family Life/Child Development (non-certification): FCSC 212, 215, 217,

218, 220, 226, 311, 312, 400, 431, 434, 439; Specialty Electives 11 hours - Total of 55 semester hours.

Required for a concentration in Interior Design: 211, 221, 316, 336, 337, 406, 437, 438, Specialty Electives 14 hours; Construction 112, 113—Total of 55 semester hours.

Required for a minor in Family Life/Child Development: FCSC 105, 212, 217, 218, 311, 312, 431, 434 or 439 - Total of 18 semester hours.

Required for a minor in Interior Design: FCSC 211, 206, 221, 316, 7 hours of approved FCSC electives—Total of 18 semester hours.

Required for Associate of Science in Care and Development of Young Children: FCSC 105, 115, 116, 117, 203, 212, 215, 217, 218, 220, 226, 301, 305, 405—Total of 32 semester hours.

Required for a major in - Family and Consumer Sciences Education: 104, 105, 115, 116, 117, 206, 207, 212, 221, 311, 312, 317, and 404. Total of 31 semester hours. (See specific degree plan in the College of Education and Human Development section.)

For Undergraduates Only

101. **PROFESSIONAL ETIQUETTE. 1 cr.** Understanding of basic social concepts in the home, society, business and the professional world.
104. **CLOTHING BASICS. 3 cr.** Planning, selection, and care of clothing for the family with special emphasis on budgeting and needs of various family members at different life stages.
105. **FAMILY RELATIONSHIPS. 3 cr.** Interrelationships of the individual and his family through the stages of the family life cycle.
113. **INTRODUCTION TO FAMILY AND CONSUMER SCIENCES. 1 cr.** Exploring careers in Family and Consumer Sciences and the roles assumed by these professionals.
114. **NUTRITION FOR HEALTHY LIFESTYLE. 1 cr.** Relating dietary intake to a healthy life style based on behavior modification and sound nutritional practices.
115. **NUTRITION EDUCATION. 2 cr.** The study of the nutritional needs of individuals. Emphasis on basic concepts for the life cycle.
116. **APPLIED NUTRITION. 1 cr.** Basic principles and techniques for nutritionally adequate meals and snacks. Two-hour laboratory.
117. **PERSONAL AND FAMILY MANAGEMENT. 3 cr.** Philosophy and methods for managing time, energy, money, family and home with emphasis on personal and family relationships.
167. **APPLICATION OF COMPUTERS TO FAMILY AND CONSUMER SCIENCES. 1 cr.** Work with computer software relating to Family and Consumer Sciences.
203. **MUSIC AND MOVEMENT FOR THE YOUNG CHILD. 3 cr.** This course introduces students to the music and movement component of an integrated curriculum. It offers a variety of music and appropriate movements and rhythms to teach children.
206. **RESIDENTIAL DESIGN. 3 cr.** Selection and arrangement of furnishings with emphasis on planning costs and budgets for different income levels. Planning of individual rooms including the study of accessories, color schemes, and suitable fabrics. Sp
207. **NUTRITION. 3 cr.** Consideration of basic nutrition related to food and health problems in the present socioeconomic and cultural environment.
211. **RESIDENTIAL STUDIO. 3 cr.** Design of residential interiors for client use; emphasis on programming, planning for spatial requirements and presentation of floor plans, swatch boards, elevations. Six hours studio. Prerequisites: FCSC 206.
212. **INTRODUCTION TO HUMAN DEVELOPMENT. 3 cr.** Study of growth and development from birth to age three with special emphasis on observation and participation with the infant, toddler, and preschool child.
215. **PROGRAM PLANNING. 2 cr.** Techniques of organizing activities for day care centers. Emphasis on creative arts, music, literature, and science. Prerequisite: 212. F
217. **CHILD GUIDANCE. 2 cr.** Directing and guiding the behavior of young children in the preschool setting. Sp
218. **CHILD GUIDANCE LABORATORY. 1 cr.** Required laboratory to accompany FCSC 217. Three hours laboratory.
220. **PROGRAM PLANNING LABORATORY. 1 cr.** Required laboratory to accompany FCSC 215. Three hours laboratory. Prerequisite: FCSC 212.
221. **TEXTILES. 3 cr.** A study of fibers and fabrics, their properties, identification, uses, and care.
226. **CHILD CARE ADMINISTRATION. 2 cr.** Principles of developing and administering a child care center emphasizing the responsibilities of the owner/director. Types of early childhood education centers and needs.
301. **LITERACY AND LANGUAGE IN EARLY CHILDHOOD. 3 cr.** This course introduces theory, research and techniques in Language and Literacy; and teaches students how to apply them in early childhood classrooms. Prerequisites: FCSC 215, 220.
305. **CREATIVE DEVELOPMENT FOR YOUNG CHILDREN. 3 cr.** This course is designed to present students with concepts, methods, and experiences used in creating art experiences for infants, toddlers, preschool and school age children. Prerequisites: FCSC 215, 220.
311. **THE PRESCHOOL CHILD. 2 cr.** Growth and development of the child from ages three to six with emphasis on planning preschool programs to fit needs. Prerequisites: 212 or PSYC 203. F, Sp
312. **PRESCHOOL CHILD LABORATORY. 1 cr.** Required laboratory to accompany FCSC 311. Three hours laboratory.
313. **METHODS. 3 cr.** Modern methods of teaching family and consumer sciences in secondary schools. Prerequisites: Educational Foundations 201, PSYC 205, 301.
316. **HOUSING. 2 cr.** Interdisciplinary approach to meeting housing needs of families. Architectural styling and consumer planning to meet today's problems in building or buying a house.
317. **CONSUMER EDUCATION. 3 cr.** Explanation of family consumer decisions in relation to alternatives in attainment of family goals.
336. **HISTORY OF HOUSING AND INTERIOR DESIGN. 3 cr.** Emphasis on designing with historical preservation in mind; survey of housing and furniture styles, historic wallpapers and textiles. Prerequisite: Junior standing.
337. **COMMERCIAL STUDIO. 3 cr.** Design of commercial interiors including practice of the process of cost estimating, client presentation; selection of furnishings, office systems and materials. Six hours studio. Prerequisites: 206, 211, 221.
355. **COMPUTER-AIDED DESIGN. 3 cr.** Two dimensional drafting and design. One hour of lecture; four hours studio. (Same as Construction 355.) Prerequisite: Junior standing. Sp
400. **PRESCHOOL METHODS. 3 cr.** Planning and preparation of units and lessons for the preschool. Prerequisites: Senior standing, 311, 312.
404. **RESEARCH IN FAMILY AND CONSUMER SCIENCES. 2 cr.** A review of current research and public policy in the field of Family and Consumer Sciences. Prerequisite: Senior standing.
405. **PRACTICUM IN CHILD CARE ADMINISTRATION. 3 cr.** Program development, evaluations and participation in child care centers. Nine hours laboratory for Family and Consumer Sciences majors. Prerequisite: FCSC 301, 305, and FCSC major.
406. **INTERIOR DESIGN PRACTICUM. 3 cr. May be repeated for a total of 6 cr.** An in-depth experience planned and supervised to meet individual needs of students. Includes work experience and/or field study. Prerequisites: Senior standing; 211, 337.
409. **VISUAL MERCHANDISING. 3 cr.** Preparation of window and store displays, fashion shows, and store promotions.

- 421. STUDENT TEACHING. 12 cr.** Modern methods of teaching family and consumer sciences in the secondary schools; integrating philosophy of family and consumer sciences, principles of learning, student experiences, needs, and interests; cooperative planning and evaluation; professional ethics. Prerequisite: FCSC 313. Must be admitted to Teacher Education.
- 429. PRACTICUM IN PRESCHOOL. 3 cr.** Program planning and implementation for the pre-school. Teaching experience with pre-kindergarten children. For Family Life/Child Development majors. Prerequisite: 400. F, Sp
- 430. CURRENT TRENDS IN INDUSTRY. 3 cr.** Study of current trends of the industry. Review of the journals and other publications used in the industry. Prerequisite: Senior standing.
- 437. INTERMEDIATE STUDIO. 3 cr.** Individual design projects in a residential and/or commercial setting. Six hours laboratory or equivalent. Prerequisites: 206, 337.
- 438. ADVANCED STUDIO. 3 cr.** Individual design projects. Six hours laboratory or equivalent. Prerequisites: 437 and approval of instructor.

For Undergraduates and Graduates

- 412. ADVANCED NUTRITION. 3 cr.** Problems in human nutrition. Investigation of recent developments in the field of nutrition.
- 415. PROBLEMS. 1-6 cr. Maximum, 6 cr.** Problems in A. Clothing and Textiles; B. Equipment and Home Management; C. Family Relations and Human Development; D. Foods and Nutrition; E. Family and Consumer Sciences Education; and F. Housing and Home Furnishings. Prerequisite: Approval of department head.
- 431. PARENTING: FATHERS, MOTHERS, AND CHILDREN. 3 cr.** Practical knowledge of parenting roles. Interrelationships of fathers, mothers, and children. Current issues in parenting, including bonding, discipline, child care, family crises, support systems and non- traditional parent situations. Parents and children in historical and contemporary perspectives.
- 434. FAMILIES IN A CHANGING WORLD. 3 cr.** Study of current issues affecting families and the professionals who work with them.
- 435. HOUSING THE ELDERLY. 3 cr.** Examination and application of the guidelines, issues and choices associated with housing disruption and re-location of the elderly. (Same as GERO 435.)
- 436. NUTRITION AND AGING. 3 cr.** Application of basic concepts of nutrition directed toward improving nutritional status and health. Federal, state and community programs will be discussed. (Same as GERO 436)
- 439. MENTORING CHILDREN. 3-6 cr.** Hands-on experience in working with children and families, research, intervention strategies, communication skills, planning activities and implementing mentoring programs. Open to majors and non-majors.
- 315. BUSINESS FINANCE. 3 cr.** The organization and financing of a business enterprise; types of securities and their utilization in proportioning income, risk and control; financial analysis and forecasting, working capital management; selection of long term investments and determination of costs of capital; use of financial institutions for obtaining funds. Prerequisite: ACCT 110 or 213, and ECON 201. F, Sp, Su
- 316. INTERMEDIATE CORPORATE FINANCE. 3 cr.** Advanced topics in risk and return, bond and stock valuation, options and derivatives. Cost of capital, capital budgeting, and cash flow analysis. Corporate capital structure, financial planning, and credit policies. Mergers and acquisitions, corporate risk management, and multinational finance. Prerequisite: 315.
- 323. REAL ESTATE FINANCE AND INVESTMENTS. 3 cr.** The principles of finance as applied to the real estate business; financial institutions, sources of financing, brokerage, property development, analysis of real estate investment, and current development in real estate. Prerequisite: FINA 203 or approval of instructor. F
- 330. ENTREPRENEURIAL FINANCE. 3 cr.** Financing of new and growing business enterprises; structuring, valuing, and pricing new venture deals, and sources and uses of funds; financial analysis and forecasting, capital budgeting, and working capital management in new, growing enterprises; later stage financing, going public. (Same as ENTR 352) Prerequisite: Junior standing.
- 401. INVESTMENTS. 3 cr.** The principles of investments in stocks and bonds and their application to specific classes of investments. Sources of financial information; interpreting financial news; protection in purchasing of securities, taxation of securities. Prerequisite: 315. F
- 405. CASE PROBLEMS IN FINANCIAL MANAGEMENT. 3 cr.** Case studies of financial topics; emphasis on sources and uses of funds, cost of funds, return on investments; analysis of financial statements. Prerequisite: 316. Sp
- 409. REAL ESTATE APPRAISAL. 3 cr.** Fundamentals of appraising residential, commercial, and industrial real estate. Prerequisite: 303, CONS 210, or approval of instructor. F
- 410. PRINCIPLES OF BANK OPERATIONS. 3 cr.** Operations of commercial banks —analyzing deposits, payments, loans and money functions of commercial banks. Bank asset and liability management; internal controls and audits. Prerequisite: 315 and ECON 301.
- 411. REAL ESTATE LAW. 3 cr.** Legal principles affecting ownership and/or management of real property in general, with special emphasis placed in Louisiana Law. Specific areas include transfers, deeds, leases, land contracts, escrows, title insurance, foreclosures, zonings, and recordings. Prerequisite: 303 or approval of instructor. F
- 413. URBAN DEVELOPMENT. 3 cr.** Measurement of urban obsolescence and deterioration. Planning concepts used to guide contemporary urban growth and alleviate common problems. Governmental programs influencing urban development, including technical and financial assistance. Specific topics include comprehensive plans, zoning, land development, parks and school location. Prerequisite: ECON 201, 202. Sp, even
- 414. CAPITAL MARKET SEMINAR. 3 cr.** Application of principles of bank operations and operations of other financial institutions. Group discussions of capital adequacy, financial liquidity, legal environment, capital market institutions, funds management, and other topics. Prerequisite: 315 and ECON 301.
- 491. DIRECTED STUDY. 1-3 cr.** Individual study of: A. Banking; B. Finance; C. Real Estate. May be repeated for a total of 6 crs. Prerequisite: Approval of department head. F, Sp, Sum

FINANCE (FINA)

Required for a major in Finance: Accounting 310, 311, or Accounting electives; Economics 301 and 311; Finance 316, 401, 405 and 6 additional hours from 404, 406, and 410; Insurance 205 - a total of 30 semester hours. Required for a minor in Finance: Finance 315, 316, 401 and 6 additional hours from 404, 405, 406, 410; Economics 301 - Total of 18 semester hours.

For Undergraduates Only

- 203. PRINCIPLES OF REAL ESTATE. 3 cr.** Purchasing, leasing, developing, and operating real estate; interest, liens, contracts, deeds, titles, and recording as related to individuals, corporations and estates. F

For Undergraduates and Graduates

- 404. INTERNATIONAL FINANCE. 3 cr.** Theory and analysis of international money flows, sources of capital, exchange rates, money markets and international banking institutions with emphasis on financing the firm operating in international markets. Prerequisite: 315. Sp

406. FUTURES AND OPTIONS CONTRACTS. 3 cr. A seminar introducing the principles of valuation of futures and options instruments, contract design, hedging and speculative use. Emphasis on financial futures contracts and common stock put and call options. Prerequisites: 315 and QMDS 210. Sp

FOREIGN LANGUAGE (FORL)

394. LITERATURE IN TRANSLATION. 3 cr. Maximum, 9 cr. In-depth studies of important works of literature in translation. Classes are conducted in English. Cannot be used to satisfy Foreign Language requirements.

FRENCH (FRNH)

Required for a major: Total of 30 semester hours beyond 101-102, including 231, 312, and 3 hours of 325.

Required for a minor: French—Total of 18 semester hours.

Required for a major (French Education): See specific degree plan in the College of Education and Human Development section of this catalog.

Required for a minor (French Education): Total of 21 semester hours which must include 231, 312, and 325. Teacher certification in this minor area requires 30 credit hours or the Praxis content specialty exam.

Majors or minors in French Education who enter in 1984-85 and after are required to complete a minimum of twelve required above the 201-202 or 205 courses through a two-semester residence in a university abroad or by two summers of intensive immersion study. A person may substitute a score of intermediate high on the ACTFL/ETS Oral Proficiency Interview for the two semesters abroad or its alternative.

Global Studies Concentration: 33 hours. Required courses: ECON 201, 202, 313; ACCT 110, MRKT 301, 401. Electives: 21 hours taken from selected courses in Management, CINS, Foreign Languages, Finance, Business, Sociology, Political Science, and Mass Communications. See department head for complete program listings.

French courses marked with an asterisk (*) may not be taken for credit by native speakers of French without the department head's approval.

For Undergraduates Only

***101. ELEMENTARY. 3 cr. each.** An introduction to the basic grammatical structures of French with the objectives of developing an elementary ability to speak, understand, read, and write the language.

***102. ELEMENTARY. 3 cr.** A continuation of the study of French on the elementary level. Prerequisite: A "C" or better in French 101 or permission of the department head.

103. FRENCH STUDY ABROAD. 3 cr., with 6 cr. maximum. Application of language skills in a foreign language environment. Students will be involved in a total immersion living situation and will receive a minimum of fifteen clock hours per week in formal language instruction.

***105. ELEMENTARY. 6 cr.** Same as French 101 and 102.

197, 198, 199. BEGINNING FRENCH. 1 cr. each. Independent reading, grammar, and/or conversation on the elementary level. Prerequisite: 102 or 105.

201-202. INTERMEDIATE. 3 cr. each. A continuation on the intermediate level of 101-102, with an increased emphasis upon reading and discussion. Work in the computerized Language Learning Center is required. Prerequisite: 102 or 105.

205. INTERMEDIATE. 6 cr. Same as French 201 and 202.

210. COMMERCIAL FRENCH. 3 cr. Study of the French language as used in business to include readings, discussions, and translations of business materials in French. Prerequisite: 202 or 205 or permission of the department head.

231. GRAMMAR AND COMPOSITION. 3 cr. Elements of French grammar and syntax with drill in style, idioms, and verb forms. Prerequisite: 202 or 205.

302. SURVEY OF FRENCH LITERATURE. 3 cr. May be repeated for a total of 9 cr. Selections from outstanding authors from the Middle Ages to the present with continued emphasis on understanding, speaking, reading, and writing. Prerequisite: 202 or 205.

312. PHONETICS. 3 cr. French phonetic system. Corrective and fluency drills in the language laboratory. Prerequisite: 202, 205 or equivalent or permission of the department head.

315. FOREIGN LANGUAGE PRACTICUM. 3-12 cr. Application of language skills in a foreign-language environment. Student will be involved in a total immersion living situation and will receive a minimum of fourteen clock hours per week in formal language instruction. Prerequisite: French 202, 205 or equivalent.

321, 322, 323. INDEPENDENT READING. 1 cr. each. Directed reading in excerpts of French literature, with continued emphasis on understanding, speaking, reading and writing French. Prerequisite: 201.

324. CONVERSATION AND COMPOSITION. 3 cr. May be repeated for 6 hrs. total. The refinement of conversational skills utilizing the language laboratory and classroom activities. Prerequisite: French 202 or 205 or approval of the Department Head.

325. FRENCH CULTURE AND CIVILIZATION. 3 cr. Maximum, 9 cr. Studies in the history and culture of the French World with continued emphasis on understanding, speaking, reading, and writing. Prerequisite: 205 or permission of department head.

For Undergraduates and Graduates

403. LITERATURE OF THE FRANCOPHONE WORLD. 3 cr., maximum 6 cr. An in-depth analysis of the work of writers from the Francophone world. Prerequisite: 202 or 205 or equivalent.

404. SEMINAR IN FRENCH LITERATURE. 3 cr., maximum 6 cr. An in-depth analysis of a literary movement or writer of French literature. Prerequisite: 202 or 205 or the equivalent.

415. ADVANCED LANGUAGE DEVELOPMENT. 3-12 cr. Advanced language instruction with emphasis on French grammar and civilization including French history, history of art, cinema, geography, and literature. All classes are taught in French. Prerequisite: 205 or permission of the department head.

474. SECOND LANGUAGE ACQUISITION. 3 cr. The application of second language acquisition theory in the classroom. (Same as SPAN 474) Prerequisite: Spanish/French 205.

475. LANGUAGE, CULTURE AND THE CLASSROOM. 3 cr. The application of second language acquisition theory in the elementary or secondary classroom. (Same as Spanish 475). Prerequisite: French 205.

FRESHMAN YEAR SEMINAR (FRYS)

101. FRESHMAN YEAR SEMINAR. 1 cr. To maximize the student's potential to achieve academic success and to adjust responsibly to the individual and interpersonal challenges presented by collegiate life.

GEOGRAPHY (GEOG)

Required for a minor: GEOG 101, 102, 203, and 9 additional Geography hours (3 hours must be at the 400 level)—Total of 18 semester hours.

For Undergraduates Only

- 101-102. REGIONAL GEOGRAPHY. 3 cr. each.** A regional approach to the study of human geography, with emphasis on spatial distributions, interactions, and processes on the earth's surface. The geographical study of the major world realms are divided as follows: GEOG 101 covers Europe (including Russia), North America, and North Africa/Middle East and GEOG 102 covers Latin America, Sub-Saharan Africa, and Asia.
- 103. SYSTEMATIC GEOGRAPHY. 3 cr.** The goal of this course is an integrated approach to geography. The course is standards-based and is structured around the essential elements and geography standards. In terms of content, the approach is thematic with examples drawn from both the developed and developing worlds. The method of instruction will consist of a combination of direct instruction and problem-solving computer- and classroom-based exercises and activities. For Elementary Education Majors only.
- 111. HUMAN ORIGINS AND EVOLUTION. 3 cr.** The study of the origin of and biogenetic heritage of humans; a survey of modern human racial variation; an introduction to archeological and prehistoric techniques of investigation regarding the changing physical form of humans. (Same as ANTG 111.)
- 201. INTRODUCTION TO ARCHEOLOGY. 3 cr.** Survey of the history and development of archeology as a science, its place in the sciences, and an overview of the important material remains of past human life and activities in selected areas of the world. (Same as ANTG 201.)
- 203. LOUISIANA. 3 cr.** A survey of the natural landscape; land forms, climate, soils, drainage, and the geographic factors; agriculture, transportation, and population.
- 213. PHYSICAL. 3 cr.** The natural landscape, with special emphasis on the distribution of land-forms, climate, soil, and vegetation.
- 214. PHYSICAL GEOGRAPHY LABORATORY. 1 cr.** Two hours laboratory to accompany Geography 213.
- 215. CARTOGRAPHY. 3 cr.** Development of cartography, techniques, nature, and usage of map projections; interpretation of maps; map construction.
- 301. CULTURAL GEOGRAPHY. 3 cr.** An advanced course focusing on the study of culture and the expression of material culture in the landscape. Prerequisite: GEOG 101, or 102, or 203 or permission of instructor.
- 308. OLD WORLD ARCHEOLOGY. 3 cr.** A survey of the major archeological sequences of prehistoric Eurasia, Africa, and Oceania. (Same as ANTG 308.)
- 320. CONSERVATION GEOGRAPHY. 3 cr.** Problems and techniques of conservation in agriculture, forestry, industry, mining, water, air, and the urban environment. Investigation of conservation ideology and political action. Emphasis on North America with some study of international phenomena. Prerequisite: GEOG 101 or GEOL 101.

For Undergraduates and Graduates

- 401. NORTH AMERICA. 3 cr.** A regional study, with attention to the influence of climate, topography, and natural resources on industry and trade.
- 403. LATIN AMERICA. 3 cr.** A regional study of the configuration, climates, natural resources, cultural patterns, and peoples.
- 405. AFRICA. 3 cr.** The geographical features, with particular reference to economic, social and political developments; a study of the heritage and background, physical and cultural, of the present-day Afro-American culture.

- 407. EUROPE. 3 cr.** General distribution of natural and cultural features with detailed study of selected areas.
- 409. ASIA. 3 cr.** A survey of the physical environment of the continent as a whole, followed by a detailed study of China, India, and Japan.
- 410. THE ARCHEOLOGY OF LOUISIANA INDIANS. 3 cr.** An introduction to the archeology of Louisiana's Indian tribes from Paleo-Indian times (10,000 B.C.) through the historic period. Prerequisite: Junior or senior standing or permission of the instructor. (Same as ANTG 410.)
- 411. THE ARCHEOLOGY OF NORTHAMERICA. 3 cr.** The archeological background of North America from Mexico to the Arctic Circle; progressive states of development of prehistoric North American cultures. (Same as ANTG 411.)
- 412. FORMER SOVIET UNION. 3 cr.** Physical and cultural environments, with special emphasis on climates, resources, industrializations, and population distribution.
- 414. THE INDIANS OF NORTH AMERICA. 3 cr.** Survey of the distribution and principal regional lifeways of North American Indian groups prior to disruption, dispersal, and the implementation of the reservation system. (Same as ANTG 414.)
- 415. POLITICAL GEOGRAPHY. 3 cr.** Problems in production, trade, government, and world development growing out of geographic conditions. Prerequisite: GEOG 101-102.
- 418. URBAN. 3 cr.** A geographic approach to the study of urban areas stressing location, historical development, distribution, size, growth and function; emphasis on current urban problems. Prerequisite: GEOG 101-102.
- 420. LATIN AMERICAN FIELD COURSE. 3 cr.** Supervised geographic research and observation in a Latin American setting. Local examples illustrate broad themes in the historical shaping of the Latin American landscape. The course includes introductory meetings at ULM followed by field observation and discussion in a Latin American location. Prerequisite: GEOG 403 or permission of the department head.
- 421. THE ARCHEOLOGY OF MEXICO. 3 cr.** An in-depth view of the development of pre-Hispanic Mexican and Meso-American cultures and civilizations from Paleo-Indian times to the Spanish Conquest; an overview of the major archeological sites pertinent to these cultures. (Same as ANTG 421.)
- 423. ARCHEOLOGICAL FIELD TECHNIQUES. 6 cr.** A field course introducing the basic techniques of archeological mapping, excavation, cataloging, specimen preparation and preservation. A study of soils, physical stratigraphy, synecology, and techniques of artifact laboratory analysis. May be repeated once for a maximum of 12 hours credit. (Same as ANTG 423.)

GEOLOGY (GEOL)

Undergraduate Requirements

Required for a minor: 101, 102, 103, 104, 215, 217; GEOS 330, 331, and 3 additional semester hours of geology or geoscience above 200 Total of 19 semester hours.

Required for a major in Earth Science Education: Geology 101, 102, 103, 104, 211, 213, 220, 221, 280, 309, 418; 3 hours of Geology elective, and Atmospheric Sciences 101. Total of 31 semester hours.

Required for a minor in Earth Science Education: Geology 101, 102, 103, 104, 220, 221, 280, 418, and Atmospheric Sciences 101. Total of 21 semester hours. Teacher certification in this minor area requires 30 credit hours or the Praxis content specialty exam.

For Undergraduates Only

- 101. PHYSICAL GEOLOGY. 3 cr.** The external and internal features of the earth and the agents responsible for them, including the work of rivers, winds, glaciers, volcanoes, earthquakes, and oceans. Credit may not be earned in both GEOL 101 and GEOL 206.
- 102. HISTORICAL GEOLOGY. 3 cr.** The development, changes, and destruction of the land features and sea areas of the earth and the changing panorama of plant and animal life from the earth's origin to the present day.
- 103. PHYSICAL LABORATORY. 1 cr.** Two hours laboratory to accompany 101. Credit may not be earned in both 103 and 208.
- 104. HISTORICAL LABORATORY. 1 cr.** Two hours laboratory to accompany 102.
- 105. GEOLOGY OF NATIONAL PARKS. 3 cr.** A study of the processes and principles involved in geologic development of our national parks. Emphasis is placed on understanding and appreciating the special geologic features for which each park is famous. Prerequisite: 101.
- 110. THE AGE OF DINOSAURS. 3 cr.** A nontechnical survey, especially designed for nonscience majors, of what is currently known about dinosaurs and their world. Their origin, evolution, ecology, physiology, and social behavior are reconstructed from bones, tracks, nests, and applied biology, and reasons for their extinction are considered. Emphasis is placed on viewing dinosaurs as superbly successful members of their ecosystem.
- 200. GEOLOGY IN THE FIELD. 2 cr.** An introduction to the study of geology as conducted in the field. This course will integrate the review of the published geology of a region with observation and analysis of the geology found in the field as seen on required multi-day field trips to that region. The course will include an introduction to basic field methods and preparation of geologic reports. One hour of class per week and at least one extended field trip. Field expenses. Prerequisites: GEOL 101, 102, 103, 104, and registration in or completion of GEOL 220 and 221.
- 206. ENGINEERING GEOLOGY. 3 cr.** Engineering properties of rocks, properties of soils, construction materials, earthquakes, earth movements, subsurface exploration and site selection for engineering works. Credit may not be earned in both GEOL 101 and 206.
- 208. ENGINEERING LABORATORY. 1 cr.** Two hours laboratory to accompany 206. Credit may not be earned in both GEOL 103 and 208.
- 211. PALEONTOLOGY. 3 cr.** Invertebrate fossils, classification, morphology, time and space, distribution, paleoecology, evolutionary trends, and their use in correlation. Prerequisites: GEOL 102, 104. Field expenses —\$10.
- 213. PALEONTOLOGY LABORATORY. 1 cr.** Three hours laboratory to accompany 211.
- 215. CRYSTALLOGRAPHY AND MINERALOGY. 2 cr.** Principles of crystallography and mineral identification. Survey of the major ore- and rock-forming mineral groups. Prerequisites: GEOL 101, 103, and enrollment in or credit for CHEM 108, 111.
- 217. CRYSTALLOGRAPHY AND MINERALOGY LABORATORY. 2 cr.** Six hours of laboratory to accompany 215.
- 220. ROCKS AND MINERALS. 2 cr.** Survey of the major ore minerals, rock-forming groups. Classification and occurrence of igneous sedimentary and metamorphic rocks. Prerequisites: GEOL 101, 103.
- 221. ROCKS AND MINERALS LAB. 2 cr.** Six hours of laboratory to accompany GEOL 220. Hand specimen identification of major mineral species and rocks. Field expenses: \$10.00.
- 280. OCEANOGRAPHY. 3 cr.** The origin and development of the ocean basins and seawater. Ocean processes, marine sediments and ocean resources also will be considered. Prerequisite: GEOL 101.
- 300. GEOLOGIC FIELD METHODS. 2 cr.** Instrumental methods, note-taking, and map preparation for field mapping. Course will include instruction and practice in compass and clinometer, hand-level, altimeter, plane table, and GPS methods, and use, handling, and care of the alidade and other instruments. Field expenses. Prerequisites: GEOL 200, GEOS 330 and 331, and MATH 112.
- 303. STRUCTURE. 3 cr.** The recognition, description, classification, origin and relationships of geologic structures. Prerequisites: GEOL 102, 104, 215, 217, MATH 111, 112, Junior standing.
- 309. STRATIGRAPHY. 3 cr.** Principles of biostratigraphy and lithostratigraphy, correlation methods, nomenclature, geochronology, paleoecology, facies, tectonics, and stratigraphic problems. Prerequisites: GEOL 211, 213.
- 323. STRUCTURE LABORATORY. 1 cr.** Three hours laboratory to accompany GEOL 303.
- 327. PETROLOGY. 3 cr.** Classification, origin, and occurrence of igneous, metamorphic, and sedimentary rocks. Prerequisites: GEOL 215, 217, and current enrollment in 329.
- 329. PETROLOGY LABORATORY. 1 cr.** Three hours of laboratory to accompany 327. Field expenses: \$10.00.
- 335. CRYSTALS AND CRYSTAL CHEMISTRY. 3 cr.** Principles of crystallography. Origins and physiochemistry of minerals, igneous, metamorphic, and sedimentary rocks. Prerequisites: GEOL 220, 221.
- 336. CRYSTALS AND CRYSTAL CHEMISTRY LAB. 1 cr.** Three hours of laboratory to accompany GEOL 335. Crystal notation and identification. Advanced techniques of rock and mineral identification. Field expenses: \$10.00.
- 400. GEOLOGIC MAPPING. 2 cr.** Geologic and structural mapping and preparation of geologic maps. Written reports and maps are required. Three hours of laboratory per week and two extended field trips. Field expenses. Prerequisites: GEOL 300, 303, 309, 323, 335, 336.

For Undergraduates and Graduates

- 401. GULF COAST. 3 cr.** The physiography, stratigraphy, structure, economics and origin of the Gulf Coastal province. Prerequisites: 303, 309, 323.
- 402. PLATE TECTONICS. 3 cr.** A thorough treatment of the underlying processes driving the processes active in the solid earth, and how these processes affect modern interpretations of the geologic record. Prerequisites: GEOL 303, 309, 327, GEOS 330.
- 403. PETROLEUM. 3 cr.** The origin, geologic distribution, and accumulation of petroleum. Prerequisites: GEOL 303, 323.
- 405. ECONOMIC GEOLOGY—METALS. 3 cr.** The origin and distribution of metallic ores. Prerequisites: GEOL 215, 217.
- 406. ECONOMIC GEOLOGY—NON-METALS. 3 cr.** The origin, distribution, geology, and use of non-metallic ores with emphasis on Louisiana's economic minerals. Prerequisites: GEOL 215, 217.
- 407. SUBSURFACE. 2 cr.** Study and application of subsurface methods. Prerequisites: GEOL 303, 323.
- 408. SUBSURFACE LABORATORY. 2 cr.** Six hours laboratory to accompany GEOL 407.
- 410. GEOCHEMISTRY. 3 cr.** Basic principles governing the origin, distribution, and migration of elements in the earth. Prerequisites: GEOL 215, 217.
- 413. PHYSICAL MARINE. 3 cr.** A general introduction to the physical processes at work on the shores of the Mississippi Sound, with emphasis on the erosional and depositional effects of waves and currents at various tidal stages. Conducted each summer under the direction of the staff of the Gulf Coast Marine Laboratory at Ocean Springs, Mississippi. Prerequisites: GEOL 327, 329, or approval of department head.
- 414. CHEMICAL MARINE. 3 cr.** Supervised research in the chemistry of the water of the Mississippi Sound and the geochemistry of the bottoms beneath these waters. Conducted each summer under the direction of the staff of the Gulf Coast Marine Laboratory at Ocean Springs, Mississippi. Prerequisites: GEOL 327, 329, and CHEM 108, 111, 203, 204, or approval of department head.
- 415. VERTEBRATE PALEONTOLOGY. 2 cr.** A survey of the vertebrates through geologic time with special emphasis on morphology, function, evolution, time and spatial distribution. Prerequisites: GEOL 102, 104.

- 417. **GROUND-WATER GEOLOGY. 3 cr.** An introduction to water beneath the surface of the earth. Emphasis is given to the mode of occurrence, migration and relationship to enclosing rock masses. Prerequisites: GEOL 101, 102.
- 418. **PLANETARY GEOLOGY. 3 cr.** A survey of the geologic processes operating on the solid surface planetary bodies. Comparative geologic histories of the terrestrial planets and major satellites. Prerequisite: GEOL 303.
- 419. **MICROPALEONTOLOGY. 1 cr.** Study of foraminifera, their classification, morphology, environmental significance and use in correlation. Prerequisites: GEOL 211, 213.
- 423. **X-RAY AND OPTICAL MINERAL ANALYSIS. 2 cr.** Principles and techniques of mineral identification and analysis using the x-ray diffractometer and petrographic microscope. Prerequisites: GEOL 215, 217.
- 424. **X-RAY AND OPTICAL MINERAL ANALYSIS LABORATORY. 2 cr.** Six hours laboratory to accompany 423.
- 425. **SEDIMENTATION. 3 cr.** The genesis, transportation, deposition, and classification of sediments; tectonic and environmental factors influencing deposition and sedimentary structure. Prerequisites: GEOL 211, 213.
- 426. **SEDIMENTATION LABORATORY. 1 cr.** Three hours laboratory to accompany 425.
- 429. **MICROPALEONTOLOGY LABORATORY. 2 cr.** Six hours laboratory to accompany 419.
- 430. **COAL. 3 cr.** A study of the physical and chemical properties of the various ranks of coal, distribution, origin, microscopic analysis, utilization, evaluation, methods of extraction, and land reclamation. Prerequisites: GEOL 327, 329.

GEOSCIENCE (GEOS)

For Undergraduates Only

- 201. **ENVIRONMENTAL SCIENCE. 3 cr.** Exploration of contemporary issues in environmental science. Man's interaction with the Earth's biological and physical resources. Topics include global warming, biodiversity, conservation, pollution, wetlands, sustainable agriculture, and population growth. Prerequisites: An introductory biology course or approval of department head. (Same as BIOL 201).
- 330. **INTRODUCTION TO GEOMORPHOLOGY. 3 cr.** The recognition, classification, origin, and relationship of and forms.
- 331. **GEOMORPHOLOGY LABORATORY. 1 cr.** Three hours laboratory to accompany 330.
- 332. **BROADCAST METEOROLOGY PRACTICUM 1-3 cr. Maximum, 3 cr.** Systematic research, training, and active participation in meteorological/climatological laboratory 2-6 hours/week at a television weather station. Grade of CR (Credit) or NC (No Credit) will be awarded. Can serve as credit for an atmospheric sciences elective. Prerequisites: ATMS 205 and ATMS 304.
- 400. **DIRECTED STUDY—3 cr.** Selected studies in Geosciences. Content varies. No more than 12 hours may be applied toward degree requirements. May not be applied to major in Geology. A. Planet Earth, C. Earth Revealed (Introductory Geology), D. Out of the Past: An Introduction to Archeology.
- 421. **ENVIRONMENTAL ECONOMICS. 3 cr.** Principles and methods for critically analyzing environmental issues from an economic and policy perspective. Review of current environmental issues with emphasis on agriculture related topics. Prerequisites: AGECE 201 or ECON 202 (Same as AGECE 421).
- 461. **COOPERATIVE EDUCATION EXPERIENCE. 1 cr.** Planned and supervised work experience in student's major field. Only open to juniors and seniors in the Department of Geosciences who are approved for the Cooperative Education Program. Grade of CR (credit) or NC (no credit) will be awarded. A. Atmospheric Science, B. Geography, C. Geology, D. Geophysics. May be repeated for a total of 3 credits. May not be applied to fulfill major requirement.

For Undergraduates and Graduates

- 402. **PRINCIPLES OF EARTH SCIENCE. 3 cr.** Earth's place in the solar system; nature of material composing the earth; processes which have shaped and are shaping the earth; rocks, minerals, soils, topographic features and their origin; rock structures; topographic; geologic, and weather maps, and aerial photographs.
- 404. **EARTH SCIENCE LABORATORY. 1 cr.** Two hours laboratory to accompany 402.
- 415. **SOILS FOR THE ENVIRONMENTAL GEOSCIENTIST. 2 cr.** Fundamentals of pedology aimed at environmental geoscientists, including: soil terminology, soil genesis, the 7th Approximation soil classification system, the use of parish and county soil surveys, soil descriptions, soil toxicity, national and worldwide soil type distribution. Prerequisite: GEOL 101 or GEOG 213 or permission of the instructor.
- 416. **SEMINAR. 1 cr. Maximum, 3 cr.** Presentation of oral and written reports on current geology literature and problems of special interest.
- 420. **HUMAN IMPACT ON THE ENVIRONMENT. 3 cr.** This course will assess the environmental changes caused by human activity. Specifically, attention will be focused on human impacts on vegetation, animals, soil, hydrology, geomorphology, and climate. Prerequisite: GEOG 213 or GEOS 330 or permission of instructor.
- 430. **SURFACE HYDROLOGY. 3 cr.** Fundamentals of surface hydrology including: components of the hydrologic cycle; hydrographs; flood frequency analysis; and flood routing through rivers, reservoirs, and watersheds. Includes practical exercises and the use of personal computers. Prerequisites: GEOL 101 or permission of the instructor.
- 435. **PRINCIPLES OF GEOGRAPHIC INFORMATION SYSTEMS (GIS). 3 cr.** Techniques for analyzing, displaying and managing geographic data topics including: structure of geographic data bases, principles of digital cartography, basic spatial statistics and analysis of spatial relationships using GIS. Prerequisite: Junior or senior standing.
- 440. **ENVIRONMENTAL EARTH SCIENCE. 3 cr.** A survey of the interactions between people and the physical environment, including hazardous earth processes, hydrology and pollution, waste disposal, environmental health, mineral resources, energy, and land use. Prerequisites: Any of the following—GEOS 101, 402, GEOL 101, 206, GEOG 213.
- 441. **GEOENVIRONMENTAL SEMINAR. 1 cr. Maximum 3 cr.** Geoenvironmental topics are examined in depth through library research, audiovisual materials analysis, and interactive software. Investigations are presented and critiqued during roundtable discussions. Assigned topics vary each semester. May be repeated for a maximum of 3 cr. Prerequisites: Any pertinent basic science course or permission of the instructor.
- 445. **ADVANCED GEOGRAPHIC INFORMATION SYSTEMS (GIS). 3 cr.** A project-oriented course intended to demonstrate how principles learned in GEOS 435 can be applied to solving complex real-world problems. Prerequisite: GEOS 435.
- 450. **REMOTE SENSING OF THE ENVIRONMENT. 3 cr.** This course will cover the basics and the interpretation of remote sensing data that will include aerial photography, U. S. and French satellite imagery, thermal infrared, Sideways Looking Radar, Synthetic Aperture Radar, and other airborne platforms such as the Daedalus Multispectral Scanner used by NASA.
- 460. **ARCHEOLOGY AND GEOLOGY OF NATURAL DISASTERS. 3 cr.** Case studies of archeological and geologic evidence for the history, causes, and effects of historical and prehistoric natural disasters. Use of archeological and geologic data to develop realistic supportable scenarios for the natural disasters will be stressed. Prerequisites: ANTG 201; GEOL 101 and 102.
- 491. **RESEARCH. 1-6 cr. Maximum, 6 cr.** Research problems that can be completed in one semester. Three hours laboratory per week for each credit hour. A written proposal with a list of references must be submitted to and be approved by the supervising professor and department head. Results of work will be presented in a seminar. Prerequisites: Junior or senior standing in geology.

GERMAN (GRMN)

For Undergraduates Only

- 101-102. ELEMENTARY. 3 cr. each.** An introduction to the basic grammatical structures of German with the objectives of developing an elementary ability to speak, understand, read and write the language. Language laboratory required.
- 103. ELEMENTARY CONVERSATION. 3 cr.** Especially designed to meet the needs of travelers and students interested in a broad initiation to the language. (Does not substitute for 101, 102 or 105.)
- 105. ELEMENTARY. 6 cr.** Same as German 101 and 102.
- 197, 198, 199. BEGINNING GERMAN. 1 cr. each.** Independent reading, grammar, and/or conversation on the elementary level. Prerequisite: 102 or 105.
- 201-202. INTERMEDIATE. 3 cr.** A continuation of 101-102, with an increased emphasis upon reading and discussion. Work in the computerized Language Learning Center is required. Prerequisite: 102 or 105.
- 205. INTERMEDIATE. 6 cr.** Same as GRMN 201 and 202.
- 209. ADVANCED GERMAN. 3 cr.** Introduction to finer points of German language, development of writing skills in German, grammatical and stylistic analysis of literary texts. Prerequisite: 202 or 205.
- 309. CULTURE AND CIVILIZATION. 3 cr. Maximum, 9 cr.** A. German culture from its beginnings to the present. B. The Twentieth Century in Central Europe. C. The German-Speaking World. Prerequisite: 202 or 205.
- 409. READINGS IN GERMAN LITERATURE. 3 cr. Maximum, 9 cr.** Topics may include: A. German literature since Goethe; B. Twentieth-century German literature; C. German literature after World War II. Prerequisite: 202, 205, or permission of the department head.
- 419. ADVANCED READINGS IN GERMAN LITERATURE. 3 cr. Maximum, 9 cr.** Topics may include: A. Medieval German literature; B. Reformation and post-reformation literature; C. The age of Goethe; D. History of the German Language; E. Genre studies. Prerequisite: 202, 205, or approval of department head.

GERONTOLOGY (GERO)

Required for an interdisciplinary minor: Gerontology 101, 226 and 12 hours of Gerontology electives and/or Psychology 425, FCSC 435 or 436—Total of 18 semester hours.

The University offers a multidisciplinary Post Baccalaureate Certificate in Gerontological Studies with Generalist and Nursing emphases and a Master of Arts with Long-Term Care Administration, Program Administration, or Aging Studies concentrations.

For Undergraduates Only

- 101. BASIC ACTIVITY. 3 cr.** An introduction to the profession of Activity Directors, Therapeutic activity practice, and their integration into health care. An examination of practice standards, practitioner behavior, activity planning, and service delivery.
- 226. PERSPECTIVES ON AGING. 3 cr.** An orientation from practitioners in the community and from an academic interdisciplinary perspective to programs, services, issues, and problems in working with older persons. (Same as SOCL 226, formerly SOCL and GERO 426.)

For Undergraduates and Graduates

- 410. ECONOMICS OF AGING. 3 cr.** An examination of issues related to the economic status of persons as they grow older. Attention will be given to problems and policies which relate to income maintenance, planned and unplanned expenditures, inflation, reduced income, post-retirement employment, public and private pensions, health insurance, pre-retirement employment, public and private pensions, health insurance, pre-retirement counseling and legislative reforms. (Formerly ECON 510, same as ECON 410.)
- 411. SOCIAL WORK PRACTICE WITH THE ELDERLY. 3 cr.** An introduction to the social, economic, and psychological dimensions of aging using a person-in-environment approach. (Same as SOCW 411.)
- 424. WOMEN AND AGING. 3 cr.** Examines the life experiences of women as they age. Emphasis is on sociological influences on perceptions of aging among women and on aging women's roles in society. (Same as SOCL 424)
- 425. SEMINAR IN DEATH AND DYING. 3 cr.** Exploration of the social organization of dying, including a view on cross-cultural perspectives on death, treatment of the dying patient, and the grief process. (Same as SOCL 425)
- 427. FIELD WORK IN GERONTOLOGY. 1-3 cr.** Student placement in a senior center, social service agency, nursing home, or hospital for nine hours per week. Students already employed in an agency will take Sociology 428. Prerequisite: approval of department head. (Formerly SOCL 427)
- 428. DIRECTED RESEARCH IN GERONTOLOGY. 1-3 cr.** Individual examination of a relevant problem in Gerontology as approved and directed by student's major professor. Prerequisite: approval of department head. (Formerly SOCL 428)
- 430. ELDER ABUSE. 3 cr.** An examination of the definition, causes, and theories associated with the problem of elder abuse. Relevant research regarding the historical perspectives, recognition of abuse, assessment techniques, and interventions will be presented.
- 431. ELDER LAW. 3 cr.** An examination of legal challenges older Americans are facing as they plan their later years and seek to maximize their quality of life. These challenges include age discrimination in employment, housing alternatives and options, financial management and planning, medical needs and attention, and consent, and long-term care.
- 435. HOUSING THE ELDERLY. 3 cr.** Examination and application of the guidelines, issues and choices associated with housing disruption and re-location of the elderly. (Same as FCSC 435, formerly GERO 503.)
- 436. NUTRITION AND AGING. 3 cr.** Application of basic concepts of nutrition directed toward improving nutritional status and health. Federal, state and community programs will be discussed. (Same as FCSC 436.)
- 452. QUALITATIVE RESEARCH. 3 cr.** An examination of different types of qualitative research, techniques of data collection, analysis, and presentation, and ethical issues; exploration of the strengths and limitations of this type of interpretive work. (Formerly SOCL 495F.) (Same as SOCL 452.)
- 456. INTERNATIONAL STUDIES. 3 cr.** Extended gerontology field study outside the United States with guest lectures, visits to gerontological related facilities and programs, and assigned readings related to aging in the designated study region. A. Europe, B. England, C. Latin America, D. Far East, E. Middle East. Individual topics may not be repeated for credit.
- 457. REGIONAL UNITED STATES FIELD STUDIES. 3 cr.** Extended gerontology field study within the United States with guest lectures, visits to gerontological facilities and programs, and assigned readings related to aging in the designated study region. A. North, B. South, C. East, D. West. Individual topics may not be repeated for credit.
- 475. TEACHING CHILDREN ABOUT AGING. 3 cr.** An evaluation of pre-school, elementary and secondary school literature, class projects, video tapes and feature films that focus on various issues related to aging. The focus is to identify methods and mechanisms that enhance children's images of older persons and growing older. (Formerly SOCL 495A.)

HEALTH STUDIES (HLST)

Required for a major in Health Studies with an option in Pre-Professional Health Studies: HLST 201, 202, 301, 302, 303, 304, 401, 403, and 405 plus an additional 20 hours of guided electives. Health Studies students and academic advisors select from electives that strengthen career options in the health professions area. Total of 42 semester hours.

Required for a major in Health Studies with an option in Healthcare Management/Marketing: HLST 201, 202, 301, 302, 303, 304, 401, 402, 403, 405, and 406 plus an additional 9 hours of guided electives. Health Studies students and academic advisors select from electives that strengthen career options in healthcare management or marketing area. Total of 38 semester hours.

Required for a minor in Health Studies: HLST 201, 202, 301, 302, 304, 401, 402, 405, 406 - Total of 24 hours.

- 201. HEALTHCARE ISSUES. 1 cr.** This course provides students with an overview of the healthcare delivery system, including the roles of healthcare professionals and healthcare organizations. Through the use of didactic and experiential techniques, the students will explore issues regarding healthcare insurance, people who are uninsured and underserved, managed care, and changes in the healthcare marketplace. It also discusses the role of health promotion, disease prevention, and the uses of alternative and complementary medicines. Prerequisites: Sophomore standing.
- 202. HEALTHCARE INFORMATICS. 3 cr.** This course provides an overview of the role of information systems in healthcare organizations. Emphasis is placed on understanding how evidence-based research is integrated into clinical decision-making and recognizing how information systems influence health outcomes. Prerequisites: CSCI 170 and sophomore standing.
- 301. HEALTHCARE ETHICS. 3 cr.** This course is designed to introduce ethical thinking and concepts regarding healthcare to prepare the student to understand, evaluate, and participate in ethical decision-making. Coursework presents professional codes of ethics using group discussions. Ethic related topics to be included such as genetics, transplants, cloning, etc. Prerequisites: PSYC 201 or SOCL 101 or 102.
- 302. SOCIAL EPIDEMIOLOGY. 3 cr.** This course provides students with an introduction to social and behavioral factors as determinants of health. Students explore theories of human behavior and group behavior, as well as health behavior change models. The course presents a comprehensive view of health and community concerns experienced by people. The inter-relationship of biological, socio-cultural, behavioral, environmental, and economic risk factors of population groups with disabilities are examined. Prerequisites: PSYC 201 or SOCL 101.
- 303. HEALTH PRACTICUM I. 1 cr.** This is a professional development course as well as preparation for Health Science Practicum II. Students select an agency and develop personal goals and objectives appropriate to the setting, population, and health issues. The students will learn about preparing for careers in healthcare. The practicum is generally performed in the student's junior year. Prerequisites: College of Health Sciences majors only.
- 304. RESEARCH DESIGN FOR HEALTHCARE. 3 cr.** This course is designed as a capstone course for the student. The course concentrates on details of health science research design and evidence-based practice. Students are guided through a step-by-step approach to qualitative, comparative and quantitative research designs. Students learn to design, interpret and analyze research findings applicable to healthcare. Prerequisites: Math 116 and junior standing.

- 401. CULTURAL DIVERSITY IN HEALTHCARE. 2 cr.** This course is designed to bring awareness of the dimensions and complexities involved in caring for people from diverse cultural backgrounds. The course will examine differences existing within North America by probing healthcare system and consumers and examples of traditional health beliefs and practices among selected populations. Prerequisites: PSYC 201 or SOCL 101 or 102.
- 402. HEALTHCARE LAW. 3 cr.** This course examines healthcare law and the legal system, and the interplay between law and ethics. The course will examine federal mandates and other aspects of patient confidentiality. Students will probe legal issues pertaining to healthcare topics such as modes and institutions for providing medical care, liability of selected providers and review of applicable laws, rules, and regulations. Prerequisites: Junior standing.
- 403. HEALTH SCIENCE PRACTICUM II. 3 cr.** This is a practicum performed in the student's senior year. Under supervision in an approved agency, the student will have the opportunity for on-the-job experiences. The practicum is project-based in that the student is expected to produce tangible output for the host organization. It is expected that the student will select a practicum site, which is consistent with career interests and objectives. Prerequisites: HLST 303 and senior standing; Health Studies majors only; completion of 90 credit hours towards Health Studies degree; completion of 15 credit hours of Health Studies courses.
- 405. PRINCIPLES OF LEADERSHIP IN HEALTHCARE. 3 cr.** This course will provide an overview of leadership theories to prepare the student for a leadership/management role in healthcare. Prerequisites: Junior standing.
- 406. HEALTHCARE ADMINISTRATION. 3 cr.** This course describes the processes that healthcare organizations must implement to meet community needs. Students learn about management theory as well as learning models taken from successful organizations relevant to healthcare delivery. Students will analyze the current healthcare system in the United States, using economic and administrative concepts and principles. Prerequisites: Junior standing.

HISTORY (HIST)

Undergraduate Requirements

Required for a major: 111, 112, 201, 202, and 24 additional hours (including 9 hours U. S. history, 9 hours non-U.S. history and 6 hours of history electives)—Total of 36 semester hours.

Required for a minor: 111, 112, 201, 202, and 9 additional hours —Total of 21 semester hours.

All students electing to major in History must also satisfy the requirements for an academic minor.

For Undergraduates Only

- 110H. HONORS HISTORY. 3 cr.** An introduction to the world's major ideas and historical developments from ancient times to the 1550s. This course will emphasize the contributions of the diverse ancient civilizations to the formation of the modern world. Prerequisite: Admission to the Honors Program or permission of the Honors Council. Substitutes for History 111.
- 111. WORLD CIVILIZATION. 3 cr.** Survey of world history from early humanity to the eighteenth century.
- 112. WORLD CIVILIZATION II. 3 cr.** Survey of world history since the seventeenth century.
- 201-202. UNITED STATES HISTORY. 3 cr. each.** Survey of the political, economic, social, and cultural foundations of American life with emphasis upon the rise of the United States as a world power. 201: To 1877. 202: Since 1877.

- 209H. HONORS HISTORY. 3 cr.** An introduction to the world's major ideas and historical developments from the 1500s through the 1700s. This course will emphasize the contributions of the diverse civilizations to the formation of the modern world. Prerequisite: Admission to the Honors Program or permission of the Honors Council. Substitutes for History 112.
- 219H. HONORS HISTORY. 3 cr.** U.S. history from 1800 to present with emphasis on the U.S. in the context of European and global affairs. Prerequisite: Admission to the Honors Program or permission of the Honors Council. Substitutes for History 201 or 202.
- 300. DIRECTED STUDY. 3 cr. each.** Selected studies in history. Content varies. E. Vietnam: A Television History; F. Heritage-Civilization and the Jews; J. Eyes on the Prize; P. Civil War; R. The Americas; S. America in Perspective: U.S. Since 1877.
- 302. THE WEST. 3 cr.** The historical development of the American West as seen in the videotape series, "THE WEST" by Ken Burns, lectures and readings. The role the West played in molding the American experience will be evaluated.
- 305. LOUISIANA HISTORY. 3 cr.** An overview of Louisiana History from the first Native Americans to the present. Major areas of emphasis include Native American cultures; French and Spanish colonial period; Louisiana Purchase and ante-bellum Louisiana; Civil War and Reconstruction; the Huey P. Long era; and modern Louisiana. Special attention is given to race relations, political and socio-economic developments, and the major personalities who shaped Louisiana.
- 309. ISLAM. 3 cr.** Survey of Islamic history from the inception in 7th century Arabia to the present day. Special emphasis on the religious principles and the institutions of the civilizations to which it gave rise. Attention is given to those factors that continue to make Islam an important force in the world today. (Same as RELG 309.)
- 310. AFRICAN-AMERICAN HISTORY. 3 cr.** Black American history beginning with early West African civilization to the present. Attention will be devoted to immigration, the slave system, civil rights, and modern black movements with emphasis on significant African-American leaders. May not be substituted to meet History requirements in 111-112, 201-202, or 305.
- 312. EASTERN CIVILIZATION. 3 cr.** An introduction to the history of non-western cultures. The civilizations of the Far East, Africa, and the Middle East are examined from their beginnings to the present.
- 330. ENGLISH HISTORY. 3 cr.** A survey of the English and British national experience from the Saxon period to the present. The development of the English political system will be reviewed, as will the rise and decline of England as a major power. The major emphasis of this class will concentrate on the period 1485 to 1914. England's relationship with both Scotland and Ireland will also be considered in this period. Prerequisites HIST 111, 112.
- 399. HISTORIAN'S CRAFT. 3 cr.** Historical research methods and an introduction to historiography. Prerequisite: History majors only or instructor permission.
- 491. DIRECTED STUDY. 1-3 cr. each.** Directed study and/or research in selected areas of history. A. American History; B. European History; C. Latin American History. Prerequisite: Advanced standing and approval of department head.

For Undergraduates and Graduates

- 408. CONTEMPORARY HISTORY. 3 cr.** A historical perspective on issues and events of the contemporary world. Prerequisites: HIST 112 or 202 or instructor consent.
- 420. THE HOLOCAUST. 3 cr.** This course will confront the background, events, and consequences of the extermination of European Jews during World War II. Prerequisite: HIST 112, 202 or consent of instructor.
- 430. WORLD WAR II. 3 cr.** An examination of the causes, conduct, and immediate aftermath of World War II giving attention to major military campaigns and experiences of war as seen by military leaders and combatants in Asia, Europe, and the Pacific. Prerequisite: HIST 112 or 202.
- 436. THE AMERICAN CIVIL WAR. 3 cr.** The growing sectional conflict between the industrial North and the agrarian South; secession; major wartime problems of the Union and the Confederacy; principal military campaigns in the War's various theaters; the significance of the Civil War in American History. Prerequisite: HIST 201.
- 437. RECONSTRUCTION AND THE NEW SOUTH, 1865-1939. 3 cr.** Reconstruction represented a larger change in the nation's history than the Civil War as the South experienced its evolving stages, but more particularly, dealing with new relationships between the races. Efforts to revive agriculture and industry; the development of politics, education, religion, society, and culture from the post-bellum period through the Depression and the New Deal. Prerequisite: HIST 202.
- 439. THE SOUTH, WORLD WAR II TO THE PRESENT. 3 cr.** World War II proved to be a significant watershed in the South. Emphasis will be placed on its industrialization, agricultural mechanization, and, especially the Second Reconstruction in Civil Rights, as well as its political, economic, religious, social, and cultural development. The South as a section will be placed in its proper perspective within the national experience. Prerequisite: HIST 202.
- 446. U.S. MILITARY HISTORY, 1775-1865. 3 cr.** This course examines the development of the U.S. Military and the wars it fought from the American Revolution through the Civil War.
- 447. U.S. MILITARY HISTORY, 1865-PRESENT. 3 cr.** This course examines the development of the U.S. Military and the wars it fought from the end of the Civil War to the present.
- 449. NATIVE AMERICAN HISTORY. 3 cr.** This course offers an overview of Native American history from pre-Columbian times to the present. Topics include Native American culture, interaction with Europeans, and relations with the U.S. government. Prerequisites: History 201 or 202.
- 450. AMERICAN COLONIAL. 3 cr.** A social history class which will concentrate on four main communities established in North America: New England, Pennsylvania, Virginia, and the Appalachian frontier. The role that religion, Trans-Atlantic influences, and the environment played in the formation of these communities will be considered, as will their different reactions to Native Americans, slaves, and the role of women. The Anglo-American imperial relationship to 1775 will also be reviewed. Prerequisite: HIST 201.
- 451. THE REVOLUTIONARY GENERATION. 3 cr.** The history of the American Revolution, placing it within the Trans-Atlantic community, its impact upon domestic society, and its influence upon the revolutionary generation of England, Ireland, and Europe generally. In considering political developments, attention will also focus upon the Revolution's impact upon women, Native Americans and the institution of slavery. The course will conclude with a review of the Articles of Confederation and the weaknesses of the early Federal Union. Prerequisite: HIST 201.
- 452. THE AGE OF JEFFERSON AND JACKSON. 3 cr.** An investigation into the complex character of Jefferson, his political impact upon the Republic and the ambiguous legacy he left after 1826. Andrew Jackson will be considered as a symbol of a new democratic age. The new Jacksonian spirit will be reviewed in the light of social reform movements, 1815 to 1840. The course will also consider Native-American cultures and the changing attitudes towards slavery. Prerequisite: HIST 201.
- 456. THE GILDED AGE. 3 cr.** Economic, political, and social changes during the rise of industrial America between Reconstruction and the coming of World War I. Prerequisite: HIST 202.
- 458. RECENT AMERICA. 3 cr.** The position of America in world affairs since 1914; the political and economic forces that led to the Depression; World War II and the changing concept of American democracy. Prerequisite: HIST 202.
- 460. THE OLD SOUTH. 3 cr.** The political, economic, and social development of the ante-bellum South. Settlement patterns; sectional distinctiveness; political ideology; development of slavery and the plantation system; abolitionism and slavery defense; and the growth of southern nationalism. Prerequisite: HIST 201.

- 463. ADVANCED LOUISIANA HISTORY. 3 cr. each.** Specialized study of Louisiana history, focusing on personalities and the political, military and socio-economic developments that have shaped the state's history. A. Beginnings to 1803; B. 1803 - 1865; C. 1865 to Present. No more than 6 semester hours may be applied toward degree requirements.
- 464. THE AMERICAN FRONTIER. 3 cr.** The westward movement in America from 1607 to 1890, emphasizing the process of pioneering and the influence of the frontier on American institutions.
- 465. U.S. DIPLOMATIC HISTORY. 3 cr.** American foreign relations from the Revolutionary era to the present with emphasis on the forces that have shaped American foreign policy and on the diplomatic history of the United States from 1898 to the present. Prerequisite: HIST 202.
- 469. AMERICAN CONSTITUTIONAL AND LEGAL HISTORY. 3 cr.** The development of American constitutional and legal systems from the Colonial period to the present. An emphasis will be placed on the Constitutional Convention of 1787 and the intent of the Founding Fathers. Important court decisions will be reviewed up to the Reconstruction period. Later topics, such as civil rights, the imperial presidency and constitutional developments within this century, will also be considered. Prerequisites: HIST 201, 202.
- 470. HISTORY OF BIBLICAL LANDS. 3 cr.** This course is an introduction to the material culture, cultural history and cultural process of the biblical world, with an emphasis on the connections between archaeology and the Bible. Prerequisites: History 111.
- 472. COLONIAL LATIN AMERICA. 3 cr.** Discovery, exploration, and settlement; Spanish and Portuguese colonial systems; political, economic, and social development including the wars of independence.
- 473. MODERN LATIN AMERICA. 3 cr.** The Latin American states from independence to the present; internal problems and progress; international relations.
- 474. HISTORY OF ANCIENT EGYPT. 3 cr.** This course is intended as a broad survey of Egyptian history, culture and archaeology from the Old Kingdom down to the Roman period. It is an introduction to the social, economic, cultural and religious developments of the first nation state in the world. Prerequisites: History 111.
- 475. ANCIENT NEAR EAST AND GREECE. 3 cr.** Egypt, Sumer, Assyria, Babylonia and other civilization in the Ancient Near East from 3100 B.C.E.; Greece from the Mycenaean Period through Periclean Athens. Emphasis on archaeological evidence, political developments, cultural accomplishments. Prerequisite: HIST 111.
- 476. ANCIENT ROME. 3 cr.** Ancient Rome from Romulus through the early Empire, with an emphasis on the development of Roman traditions during the Republic and the transition from Republic to Empire under the Julio-Claudians. Roman government, class structure, and the significance of important historical figures will be emphasized. Prerequisite: HIST 111.
- 477. THE MIDDLE AGES. 3 cr.** The social, cultural, religious, political, and economic history of Europe from the end of the Roman Empire to the Renaissance. Particular attention is devoted to the Church, feudalism, manorialism, political institutions, and the rise of towns and capitalism. Prerequisite: HIST 111.
- 478. RENAISSANCE AND REFORMATION. 3 cr.** The transition in Western civilization from the medieval to the modern era, 1300 to 1648; cultural, economic, social, religious, and political developments of the era. Prerequisite: HIST 111.
- 479. ABSOLUTISM AND REVOLUTION, 1610-1815. 3 cr.** This course surveys the political, social, economic and cultural history of Europe from the birth of Absolutism to the downfall of Napoleon Bonaparte. In addition to addressing the cultural and intellectual changes of the 17th and 18th centuries, this course will focus on the social and economic developments of the period, changes that ultimately shaped the modern world. Particular emphasis will be given to the emerging nation-state, the new scientific world-view, Enlightenment ideology, and the revolutionary turmoil of the late 18th century. Prerequisite: HIST 112.
- 480. EUROPE, 1815-1890. 3 cr.** This course surveys the political, social, economic and cultural history of Europe from the downfall of Napoleon to the golden age of imperial Europe at the end of the 19th century. Topics considered include the effects of industrialization, the impact of widespread revolution, the unification of Bismarckian Germany, and the spread of European Imperialism. Prerequisite: HIST 112.
- 481. EUROPE, 1890-1945. 3 cr.** This course surveys European history from the close of the 19th century to the end of World War II. The focus is primarily upon national and international politics, but with careful attention to economic, social and cultural developments in their relationship to political change. Prerequisite: HIST 112.
- 487. FRENCH HISTORY. 3 cr.** A survey of French political institutions, cultural developments, and social structure from approximately 800 to the present time. Topics will include Charlemagne, the French Revolution and Napoleon, and France's position in the modern world. Prerequisites: HIST 111, 112.
- 488. REVOLUTIONARY FRANCE, 1789-1871. 3 cr.** A survey of the political, social, economic and cultural history of France from the origins of the French Revolution to the collapse of the radical Paris Commune in 1871. The course will explore the vast changes in France that transformed it from a pre-industrial state of peasants and aristocrats to a world of modern industry and technology. Prerequisite: HIST 112.
- 490. EAST CENTRAL EUROPE SINCE 1400. 3 cr.** This course will examine the social, political, economic, and cultural development of the lands traditionally known as Poland, Hungary, Bohemia, and Ukraine from the late Middle Ages to the present. This course will introduce the main forces and personalities that shaped Eastern European history in the past and continue to shape it today.
- 492. RUSSIA TO 1917. 3 cr.** Founding of the nation, tsarist institutions, conditions leading to the revolutions of 1917. Prerequisite: HIST 112.
- 493. SOVIET UNION AND COMMONWEALTH OF INDEPENDENT STATES. 3 cr.** The revolutions of 1917 and the development of the Soviet system. Political, social, and economic developments in the U.S.S.R. with special attention to the role of the Soviet Union in world affairs. The collapse of the U.S.S.R. and the emergence of the Commonwealth of Independent States. Prerequisite: HIST 112.
- 495. TOPICS IN HISTORY. 1-6 cr. each. Maximum, 6 cr.** Specialized study of topical events in history. Content varies. A. Canada (3 cr.); B. Local and Family History (3 cr.).

HONORS (HONR)

- HONORS ARTS 110H. 3 cr.** Questions of aesthetics, issues of performance and/or exhibition, and aspects of creativity in one or more of the arts. Course content varies and may link two or more disciplines. Prerequisite: Admission to the Honors Program or permission of the Honors Council.
- HONORS COLLOQUIUM 101H. 1 cr.** A scheduled gathering to discuss topics relevant to a semester theme. May be repeated for a total of 7 credits. Grades of CR (credit) or NC (no credit) will be assigned. Prerequisites: Admission to the Honors Program or permission of the Honors Council.
- HONORS ENGLISH 110H. 3 cr.** A writing intensive course which introduces outstanding examples from world literature while developing the skills necessary to think and to write critically. Prerequisite: Admission to the Honors Program or permission of the Honors Council. Acceptance to the Honors Program and successful completion of English 110H substitute for English 102. Honors students are not required to take English 101. English 110H fulfills three hours of the total number of hours in English required in any curriculum.
- HONORS ENGLISH 209H. 3 cr.** A study of major works of British Literature designed to strengthen the students' critical abilities and writing skills. Prerequisite: Admission to the Honors Program or permission of the Honors Council.

HONORS ENGLISH 219H. 3 cr. A study of major works of American Literature designed to strengthen the students' critical abilities and writing skills. Prerequisite: Admission to the Honors Program or permission of the Honors Council.

HONORS HISTORY 110H. 3 cr. An introduction to the world's major ideas and historical developments from ancient times to the 1550s. This course will emphasize the contributions of the diverse ancient civilizations to the formation of the modern world. Prerequisite: Admission to the Honors Program or permission of the Honors Council. Substitutes for History 111.

HONORS HISTORY 209H. 3 cr. An introduction to the major ideas and historical developments in Western Europe and the New World from the Reformation to 1800. Prerequisite: Admission to the Honors Program or permission of the Honors Council. Substitutes for History 112.

HONORS HISTORY 219H. 3 cr. U.S. history from 1800 to the present with emphasis on the U.S. in the context of European and global affairs. Prerequisite: Admission to the Honors Program or permission of the Honors Council. Substitutes for History 201 or 202.

HONORS MATHEMATICS 201H. 2 cr. A course in the aesthetics of mathematics, including such studies as logic, the history of mathematics, famous impossibilities and unsolved problems. Prerequisites: Five hours of Mathematics at the 111 level or higher and admission to the University Honors Program or permission of the University Honors Council.

HONORS SOCIAL SCIENCE 301H. 3 cr. Discussion and investigation of topics in anthropology, economics, geography, political science, psychology, or sociology. Course content varies and may link two or more of these disciplines. Prerequisite: Admission to the Honors Program or permission of the University Honors Council. (May be repeated for up to six hours of credit.)

HONORS PROJECT 415H. 1-3 cr. Maximum 3 cr. An independent and original project in the major field of the student. Grades of CR (credit) or NC (no credit) will be assigned. Prerequisite: Permission of the Honors Council.

HONORS SEMINAR 410H. 3 cr. Discussion and investigation of a central theme from a multidisciplinary perspective. (May be repeated for up to nine hours of credit.) Prerequisite: Permission of the Honors Council.

HONORS SPEECH COMMUNICATION 110H. 3 cr. Speech taught more as a liberal art than as a technical art. Emphasis on developing effective rhetorical skills, problem solving, critical thinking, and the place of values in establishing humane goals. Prerequisite: Admission to the Honors Program or permission of the Honors Council. Substitutes for either Speech 101 or 201.

HORTICULTURE (HORT)

Required for a Horticulture minor: 20 semester hours of Horticulture courses.

For Undergraduates Only

323. POST HARVEST PHYSIOLOGY. 4 cr. Physiological changes and problems during artificial ripening, storage and movement of plant materials. Emphasis placed on maintenance and extension of shelf life in relation to changes in the environment. Three hours lecture and two hours laboratory. Prerequisite: AGRI 101 or 103. (Formerly HORT 321, 322).

350. FLORAL ARRANGING. 3 cr. A survey of the art of floral arranging including the basic materials, equipment, design dish and bottle gardens, drying flowers, judging, corsages and specialty pieces. Prerequisites: AGRI 101 or 103.

362. ORNAMENTAL HORTICULTURE. 4 cr. Principles and practices involved in the production, usage and maintenance of woody ornamentals, florist, and greenhouse plants. Three hours lecture and two hours laboratory. Prerequisite: AGRI 101 or 103. (Formerly HORT 360, 361).

412. VEGETABLE AND FRUIT INDUSTRY. 4 cr. Management practices concerning establishment, production, storage and marketing of vegetables and fruits. Three hours lecture and two hours laboratory. Prerequisite: AGRI 101 or 103. (Formerly HORT 410, 411).

472. PLANTSCAPES. 4 cr. The principles, techniques, and concepts used in interior and exterior plantscapes. Three hours lecture and two hours laboratory. Prerequisite: AGRI 101 or 103. (Formerly HORT 470, 471).

For Undergraduates and Graduates

401. PLANTS AS TEACHING TOOLS. 3 cr. The basic concepts concerned in handling plants for the preschool and elementary school child. Selection and development of materials to enhance learning situations and develop an appreciation of the role of plants in life. Not to be taken for major credit or used to satisfy science requirements.

HUMANITIES (HUMN)

For Undergraduates Only

101. HUMANITIES. 6 cr. An interdisciplinary study of man and man's relationship to the world. Beginning with pre-history through the Renaissance. Designed for superior students, the course may be scheduled in lieu of English 101 and History 101. Class meets 6 hours per week.

102. HUMANITIES. 6 cr. A continuation of 101. Beginning with the Age of Reason and concluding with the Twentieth Century. Designed for superior students, the course may be scheduled in lieu of English 102 and History 102. Class meets 6 hours per week. Prerequisite: 101.

110. FINE ARTS APPRECIATION. 1 cr. Maximum, 3 cr. Credit is given for attendance of selected cultural attractions. A. Local. B. New York. C. Britain. D. The Continent.

For Undergraduates and Graduates

401. CHANGING VIEW OF THE TWENTIETH CENTURY. 3 cr. A study of contemporary society, art, science, and culture. Concerned with the problems of "future shock".

INSURANCE (INSU)

Required for a major in Insurance: Accounting 319, Economics 301, Finance 401, Insurance 205, 307, 308, 309, 311, 408, and either Construction 101 or a Business Administration elective - Total of 30 semester hours.

Required for a minor in Insurance: Insurance 205, 307, 308, 309, 311, and 408 - Total of 18 semester hours.

For Undergraduates Only

205. RISK AND INSURANCE. 3 cr. A study of pure risk and risk-bearing, including insurance and non-insurance methods of handling risks; introduction to life, disability, property, marine, and liability insurance. F,Sp

307. PROPERTY AND CASUALTY INSURANCE. 3 cr. The fundamentals of property and casualty insurance, including analysis of contracts, rating, underwriting, regulation, and financial strength of insurers. Prerequisite: INSU 205 or permission of department head. Sp

308. BUSINESS RISK MANAGEMENT. 3 cr. A study of the analysis and treatment of the pure, nonspeculative risks faced by the business firm. The development of the risk management process, exploration of the use of various risk management techniques on identified exposures, and application of the process and those techniques in a risk management case study. Applicable to any

business major and to various non-business majors. Introduction to the concept of pure risk and the minimization of its costs to businesses, nonprofit organizations, and government bodies. Prerequisite: INSU 205 or permission of department head.

- 309. LIFE INSURANCE. 3 cr.** Development of the life insurance business; carriers, types of insurance and annuity contracts and their uses, premium and reserve computation and state regulation, and problems on life insurance programs for individuals, families, and institutions. Prerequisite: INSU 205 or permission of department head. F
- 311. HEALTH AND SOCIAL INSURANCE. 3 cr.** Analysis of the nature of health and social insurance; hospitalization and medical insurance, surgical benefits, major-medical coverages, disability income contracts; causes, extent, and economic consequences of old age dependency, unemployment, and disability. Prerequisite: INSU 205 or permission of department head.
- 319. INSURANCE ACCOUNTING. 3 cr.** The use of accounting information to evaluate the financial stability and financial strength of insurance companies. Not open to accounting majors. (Same as ACCT 319). Prerequisite: INSU 205; Junior standing or permission of department head. Sp
- 408. SURPLUS LINES AND REINSURANCE. 3 cr.** A study of the excess and surplus lines markets as well as the reinsurance sector of the insurance industry. With the multinational and complex nature of many firms, more insurance protection is purchased from surplus lines companies or associations like Lloyds of London, or self-insured by way of captive insurers established off-shore. The use of captives often places the firm in the position to deal directly with the reinsurance market. The formation and classification of these companies, their regulation, the products they sell, how they market the products, their accounting procedures, their financial statements, and their comparison to primary insurers, are covered. Prerequisite: INSU 205 or permission of department head.
- 491. DIRECTED STUDY. 1-3 cr.** Individual study of Insurance. Prerequisite: Approval of department head. F, Sp, Sum

For Undergraduates and Graduates

- 423. INSURANCE SEMINAR. 3 cr.** A study of the application of various insurance coverage to fulfillment of personal, business, and social needs. Students are assigned special projects in the field of their interests. Prerequisite: INSU 205 or 307 or 309 or 311 or permission of instructor. Sp, even

INTERDISCIPLINARY MINORS

ARABIC STUDIES

12 hours of Arabic plus three additional courses to be chosen from the following: Literature in Translation (FORL 394), Arabic Civilization (ARAB 307). History of Islam (HIST 309), International Politics (POLS 453) and Global Development (POLS 465). Total hours required: 21.

CLASSICAL STUDIES

Required for a minor: All students must complete 12 hours of Latin plus an additional 18 hours to be chosen from the following courses - no more than 6 hours may come from any one area: English 393, 394; History 475, 476; Philosophy 401, 403; Theatre 415; Latin 208, 303, 308, 401, 408, 418.

FINE ARTS

Required for a minor: Art 201, 202, 6 core hours from Theatre, 6 core hours from Music, and 3 additional hours—all chosen from the courses listed below: Theatre 407, 415, 416; Music 170, 193, 491, 492; Art 426, 429, 495; Dance 424. Students may not use Art 109 or Music 191 to fulfill these requirements. Total of 21 semester hours.

INTERNATIONAL STUDIES

Required for a minor: 6 hours in one modern foreign language at the intermediate level or the equivalent plus six additional courses (18 hours) chosen from the following. The courses chosen should focus on the same area of the world as much as possible and should include at least one course from each group to ensure true cross-disciplinary experience:

GROUP I—Spanish 210, 301, 307, 308, 312, 313, 314, 402, 405, 415; French 302, 403, 404, 415; English 410, 416, 426; Communication Studies 304; German 309, 409, 419.

GROUP II—Sociology 102, 207, 430, 442, 444; Geography 405, 407, 409, 412, 415; Political Science 440, 441, 450, 453, 457, 461, 463, 465; History 309, 312, 472, 473, 480, 481, 487, 488, 492, 493, 494; Religion 312; Philosophy 320, 321.

GROUP III—Music 494; Art 426, 443A, 443B, 443C; Theatre 442A, 442B.

GROUP IV—Economics 313, 315; Marketing 401; Finance 404.

Foreign language majors must choose their 18 hours outside of foreign language courses.

Total of 18-24 semester hours.

LATIN AMERICAN STUDIES

Required for a minor: 6 hours of Spanish at the intermediate level or the equivalent plus six additional courses (18 hours) chosen from at least three of the following areas: Spanish 301, 312, 314, 402, 407; Sociology 207, 422, 430; Geography 403, 421; Political Science 441, 463; History 472, 473.

Spanish majors must choose their 18 hours outside the Spanish offerings.

Total of 18-24 semester hours.

SOUTHERN STUDIES

Required for a minor: 18 hours from the following courses with at least 9 hours taken outside of the field of history. Anthropology 410; English 216, 427; Geography 203; History 305, 310, 460, 463; Political Science 414; Music 192.

Total of 18 semester hours.

WOMEN'S STUDIES

Required for a minor: 18 hours from at least three of the following disciplines. No more than 9 hours may be from any one area. English 250A, 427; Political Science 414, 429; Communication Studies 325, 341; Sociology 419, 424, 435, 495; Nursing 448.

Total of 18 semester hours.

ITALIAN (ITAL)

105-106. ELEMENTARY CONVERSATIONAL ITALIAN. 3 cr. each. An oral approach to Italian, stressing real-life situations. Cannot be used toward fulfillment of the language requirement.

JAPANESE (JAPN)

101-102. ELEMENTARY. 3 cr. each. An introduction to the Japanese language with emphasis on the development of practical communication skills. Basic conversation and elementary reading and writing will be taught through real-life situations with a focus on the development of oral proficiency.

KINESIOLOGY (KINS)

(Formerly Health and Human Performance)

Undergraduate Requirements

Required for a major in Kinesiology, all concentrations: Kinesiology 201, 211, 221, 241, 321, 365, 408, 411, 417, 432, 437 and 46 semester hours of area of concentration courses - Total of 75 semester hours.

Required for a major in Kinesiology with a concentration in Health and Physical Education (Certification): KINS 202, 306, 319, 334, 335, 355, 403, 431, 438; CURR 375A, 456; READ 418A and PSYC 205 - Total of 75 semester hours.

Required for a major in Kinesiology with a concentration in Exercise Science: KINS 305, 318, 402, 438, 441, 435; CHEM 102, 103, 104; PSCI 101, 102, 103, 104; FCSC 207; NURS 280; CMST 201; MGMT 301; PSYC 439 - Total of 75 semester hours.

Required for a major in Kinesiology with a concentration in Community Health Education and Promotion: KINS 322, 441, 442, 443, 444, 445, 446, 447; SPAN 101; FCSC 207, 116, ACCT 212; ADED 410; CMST 426; and CURR 470 - Total of 75 semester hours.

Required for a major in Kinesiology with a concentration in Fitness and Sports Studies: KINS 248 or 249, 305, 317, 318, 319, 320, 333, 335, 402, 413, 419, 435, 438 and 2 hours of coaching courses: CMST 201; and MGMT 301 - Total of 75 semester hours.

Required for a minor in Kinesiology with a concentration in Health and Physical Education (Certification): KINS 202, 306, 319, 334, 335, 355, 403, 431, 438; CURR 375A, 456; READ 418A, and PSYC 205 - Total of 75 semester hours.

Students who are applying to Physical Therapy schools in Louisiana, and most Physical Therapy schools in the southern states must meet the following academic requirements: KINS 305, 318, 402, 438, 441, 435; PSYC 439 - Total of 75 semester hours. It is also suggested that students take an additional six hours (ENGL 321 and CMST 201) to meet Physical Therapy Program general requirements.

For Undergraduates Only

ACTIVITY COURSES CO-EDUCATIONAL

Activity courses meet three hours per week and may be repeated for a maximum of two credit hours.

102. AEROBIC FITNESS. 1 cr. Fitness activities that improve cardiorespiratory endurance, flexibility, body composition, muscular strength and endurance.

- 105. BADMINTON I. 1 cr.** Skills, techniques, and knowledges of beginning badminton.
- 106. TENNIS I. 1 cr.** Skills, techniques, and knowledges of beginning tennis.
- 108. SOCCER. 1 cr.** Skills, techniques, and knowledges of beginning soccer.
- 109. GOLF I. 1 cr.** Skills, techniques, and knowledges of beginning golf.
- 111. ARCHERY. 1 cr.** Skills, techniques, and knowledges of beginning archery.
- 113. BOWLING I. 1 cr.** Skills, techniques, and knowledges of beginning bowling.
- 116. WATER AEROBICS. 1 cr.** Water activities that improve cardiorespiratory endurance, flexibility, body composition, muscular strength and endurance.
- 117. SOFTBALL. 1 cr.** Skill, techniques, and knowledges of beginning softball.
- 118. VOLLEYBALL. 1 cr.** Skills, techniques, and knowledges of beginning volleyball.
- 122. AEROBIC DANCE I. 1 cr.** Rhythmic activities that improve cardiorespiratory endurance, flexibility, body composition, muscular strength and endurance.
- 138. RACQUETBALL. 1 cr.** Skills, techniques, and knowledges of beginning raquetball.
- 142. SWIMMING I. 1 cr.** Skills, techniques, and knowledges of beginning swimming.
- 145. BASKETBALL. 1 cr.** Skills, techniques, knowledges of beginning basketball.
- 152. HANDBALL. 1 cr.** Skills, techniques, and knowledges of beginning handball.
- 153. SELF DEFENSE I. 1 cr.** Skills, techniques, and knowledges of beginning self defense.
- 201. FIRST AID AND CPR. 1 cr.** First aid to the victims of accidents, sudden illness, cardiac or respiratory emergencies. First aid and CPR certification granted to those meeting agency requirements. Two hours laboratory. (Formerly First Aid and Personal Safety.)
- 202. STRENGTH TRAINING FOR SCHOOL AGE CHILDREN. 2 cr.** This course is designed to enhance the candidates's ability to assess and implement safe and appropriate methods in resistance training programs in the school system for children and the adolescent in physical education/athletics. Prerequisite: KINS 211.
- 211. FOUNDATIONS OF PHYSICAL EDUCATION. 3 cr.** Basic understanding and familiarization of health, physical education and recreation as a profession; including historical background, principles, trends, curriculum and professional preparation. For Health and Physical Education majors only.
- 220. LIFE GUARD TRAINING. 3 cr.** Designed to train and certify an individual to serve as a non-surf lifeguard and as an aquatic facility manager.
- 221. CONCEPTS OF PERSONAL WELLNESS. 2 cr.** The purpose of this course is to provide learning opportunities for the development of conceptual and functional knowledge of health-related physical fitness and the role it plays in the development and maintenance of human wellness. The health-behavior-gap is examined, and specific emphasis is placed on the individual long-term preventive and rehabilitative benefits derived from lifelong participation in physical activity. Prerequisite: Kinesiology majors only.
- 233. WATER SAFETY INSTRUCTION. 3 cr.** Qualifies individuals to teach and certify American Red Cross Aquatic courses. Prerequisite: 220.
- 241. PERSONAL AND COMMUNITY HEALTH. 3 cr.** An orientation course in health which deals with nutrition, stress, exercise, diseases and their prevention.
- 243. SCUBA DIVING. 1 cr.** Skills, techniques, and knowledges of beginning scuba diving.

- 248. OFFICIATING. 3 cr.** Principles, techniques and practices of officiating with emphasis on rules, rule interpretations and mechanics of basketball and football. Practical experience will be arranged.
- 249. OFFICIATING SPRING SPORTS. 3 cr.** This course is designed to enhance the student's ability to understand the basic principles, techniques, and practices of officiating youth sports with emphasis on rules, rule interpretations, and mechanics for Dixie League softball/baseball, FIFA U6-U19 soccer, and USTA tennis.
- 253. SELF DEFENSE II. 1 cr.** Continued instruction and practice in the various aspects of self defense.
- 256. LIVING WITH HEALTH.—3 cr.** Content and theory related to basic health information; critical health issues; improving and maintaining optimal health and wellness. Students with prior credit in Kinesiology 241 are not eligible to receive credit in Kinesiology 256. Cannot be used to satisfy major or minor requirements.
- 301. COACHING FOOTBALL. 2 cr.** Theory, techniques, and skills of coaching football. Prerequisites: KINS 211 and junior standing.
- 302. COACHING BASKETBALL. 2 cr.** Theory, techniques, and skills of coaching basketball. Prerequisites: KINS 211 and junior standing.
- 303. COACHING BASEBALL AND SOFTBALL. 2 cr.** Theory, techniques, and skills of coaching baseball and softball. Prerequisites: KINS 211 and junior standing.
- 304. COACHING TRACK AND FIELD. 2 cr.** Theory, techniques, and skills of coaching track and field. Prerequisites: KINS 211 and junior standing.
- 305. TECHNIQUES IN GROUP EXERCISE. 2 cr.** This course is designed to examine current trends and techniques used in the field of group exercise. Prerequisite: KINS 211. Kinesiology majors only.
- 306. INTRODUCTION TO TEACHING HEALTH AND PHYSICAL EDUCATION. 3 cr.** Clinical based course where physical education majors examine teaching physical education in diverse settings. Candidates will examine how students and teachers spend their time during physical education and the impact it has on learning. Prerequisite: KINS 211.
- 318. FITNESS ASSESSMENT TECHNIQUES. 3 cr.** This course is designed to provide the exercise professional with the necessary cognitive and laboratory experiences essential for developing safe and accurate physical fitness testing practices. Prerequisite: KINS 211. Kinesiology majors only.
- 319. INTRODUCTION TO MOTOR LEARNING. 3 cr.** The learning of motor skills to facilitate the implementing of appropriate strategies and techniques for instructional, training, and rehabilitation applications. Prerequisite: KINS 211. Kinesiology majors only.
- 321. SAFETY EDUCATION 3 cr.** Enhances the understanding of safety and delivery of age-appropriate safety education. Prerequisite: KINS 241. (Formerly Health and Human Performance 426).
- 322. SEXUALITY EDUCATION. 3 cr.** Enhances the understanding of human sexuality and delivery of age-appropriate sexuality education. Prerequisite: KINS 241.
- 325. DRIVER EDUCATION AND TRAFFIC SAFETY. 3 cr.** Administrative problems and policies, instructional methods and materials, accident causes and prevention, and content of a high school course in driver education. Prerequisite: Junior standing.
- 333. ACTIVITIES FOR ELEMENTARY SCHOOL. 3 cr.** Materials, techniques and methods of teaching physical education in elementary schools. Sophomore level and above.
- 334. METHODS AND MATERIALS IN PHYSICAL EDUCATION. 3 cr.** Materials, techniques, and methods of teaching physical education in the three different school levels. Prerequisite: Must be admitted to teacher education.
- 335. TEAM SPORTS. 2 cr.** Basic skills, strategies, rules, and teaching procedures of selected team sports. Prerequisite: Health and physical education major.
- 355. LIFETIME SPORTS. 2 cr.** Basic skills, rules, strategies, and teaching procedures of selected individual lifetime sports. Prerequisite: Health and physical education major.
- 365. FITNESS. 3 cr.** Basic knowledge, values, understanding, and teaching procedures of selected fitness programs. Courses also includes a review of health related fitness testing, risk factors, risk stratification, medical history and HPAA compliance. Prerequisite: KINS 211, KINS 221. Kinesiology majors only.
- 402. EXERCISE PROGRAM DESIGN. 3 cr.** This course is designed to apply the principles of exercise leadership to clinical and preventive settings, with particular emphasis on formulation of the exercise prescription. Prerequisite: KINS 318. KINS majors only.
- 403. TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION. 3 cr.** Purposes and needs of testing with emphasis on techniques and administration of tests in physical education. Prerequisite: Must be admitted to teacher education.
- 411. ATHLETIC INJURIES. 3 cr.** The prevention and emergency care of athletic injuries. Prerequisites: KINS 211 and junior standing. Kinesiology majors only.
- 419. MODERN FITNESS. 3 cr.** Lectures and exercises designed to convert deconditioned people to conditioned status with sufficient basic knowledge to remain conditioned for a lifetime. Prerequisite: Junior standing.
- 435. PRACTICUM IN PHYSICAL EDUCATION (GENERAL) 6 cr.** Observation and participation in non-teaching physical education, recreational or health related programs for one semester. Prerequisite: Health and physical education major (general).
- 495. SPECIAL STUDIES IN HEALTH AND PHYSICAL EDUCATION. 1-3 cr.** Selected topics in health and physical education for students not pursuing a degree. May be repeated. Credit may not be applied toward a degree. Grade of CR (Credit) or NC (No Credit) will be awarded.

For Undergraduates and Graduates

- 406. ADVANCED DRIVER EDUCATION. 4 cr.** Curriculum innovations and instructional devices (with lab). In-depth study of curriculum materials and instructional devices and techniques including simulation, multi-media, driving range, on-street instruction, and motorcycle. Instruction in the use of all forms supplied by the State Department of Education. Prerequisites: KINS 325 and junior standing.
- 408. PHYSICAL ACTIVITY FOR STUDENTS WITH SPECIAL NEEDS. 3 cr.** This course examines how physical activities and motor skills can be tasked analyzed and modified to include a wide range of individuals with special needs. Basic knowledge, skills and competencies in Special Education are covered with an emphasis in pedagogical principles.
- 413. MANAGEMENT OF HEALTH, PHYSICAL EDUCATION, AND RECREATION. 3 cr.** The purpose and functions of the management process in the instructional and related area programs in today's classroom as well as experiences in those areas outside the normal classroom setting. Federal and state regulations in education, alternative programs, discipline and other current problems are discussed. Ten (10) hours of classroom observation will be completed during this course. Prerequisite: KINS 211 and Junior standing. (Formerly Administration and Health, Physical Education, and Recreation.)
- 417. SCHOOL HEALTH PROBLEMS. 3 cr.** School health problems and current programs of prevention and protection against disease. Prerequisite: Junior standing. (Formerly Health and Physical Education 417). Education majors only.
- 427. TRENDS IN ELEMENTARY PHYSICAL EDUCATION. 3 cr.** In-depth study of current trends and practices used in teaching and developing a sound physical education program in the elementary school. Prerequisite: Junior standing.
- 431. METHODS AND MATERIALS IN HEALTH EDUCATION. 3 cr.** Materials, techniques, and methods of teaching health in schools. Ten (10) hours of classroom observation will be completed during this course. Prerequisite: Must be admitted to teacher education.
- 432. ANATOMICAL AND PHYSIOLOGICAL KINESIOLOGY. 3 cr.** Application of anatomy and physiology to analysis and improvement of human performance in gross body movement. Prerequisite: Junior standing and KINS 211. KINS majors only.

- 437. PHYSIOLOGY OF EXERCISE. 3 cr.** Acute and chronic physiological changes in response to exercise. Emphasis on the practical application of exercise training for health, fitness, and performance. Prerequisite: Junior standing. Kinesiology majors only. Concurrent enrollment in KINS 438.
- 438. EXERCISE PHYSIOLOGY LABORATORY. 1 cr.** A laboratory course to accompany KINS 437. Emphasis is given to demonstration of physiological responses to exercise testing, as well as other laboratory procedures unique to exercise science. Prerequisite: Credit for or concurrent enrollment in KINS 437. Kinesiology majors only.
- 441. WORKSITE HEALTH PROMOTION. 3 cr.** This course is designed to develop knowledge and awareness of the major issues in the field of worksite health promotion programming, as well as to enhance the ability of future practitioners to develop the professional techniques necessary to fulfill wellness programming needs within corporate fitness/wellness field. Prerequisites: KINS 211, 241 and junior standing.
- 442. HEALTH AND PHYSICAL EDUCATION PROGRAM DEVELOPMENT. 3 cr.** This course is designed to foster the examination, discussion and creation of health physical education program development. Prerequisite: Permission of instructor. Education majors only.
- 443. EPIDEMIOLOGY FOR THE COMMUNITY HEALTH EDUCATOR. 3 cr.** Introduction to community health education/promotion epidemiology. Prerequisite: KINS 241.
- 444. HEALTH EDUCATION AND PROMOTION PLANNING. 3 cr.** This course will enhance student understanding of community health planning. Prerequisite: KINS 241.
- 445. CONTROVERSIAL ISSUES IN HEALTH. 3 cr.** Enhances student ability to research and debate controversial issues in health. Prerequisite: KINS 322.
- 446. HEALTH EDUCATION/PROMOTION FOR MULTICULTURAL POPULATIONS. 3 cr.** Enhances student ability to deliver health education to multicultural populations. Prerequisite: KINS 321.
- 447. COMMUNITY HEALTH EDUCATION AND PROMOTION PRACTICUM. 3 cr.** Provides student the opportunity to participate in a community health education or promotion programs for one semester. Prerequisite: KINS 441.
- 491. DIRECTED STUDY. 1-3 cr.** Directed study and/or research of A. Health; B. Kinesiology; C. Athletic Injuries; D. Selected Topics. A maximum of six credit hours may be taken. Prerequisite: Approval of department head.

FOR MEN Only

- 119. WEIGHT TRAINING I. 1 cr.** Skills, techniques, and knowledges of beginning weight training.

FOR WOMEN Only

- 161. WEIGHT TRAINING I. 1 cr.** Skills, techniques, and knowledges of beginning weight training.

**LATIN
(LATN)****Undergraduates Only**

Required for a minor: 18 semester hours.

Required for a minor in Education: 24 hours of Latin and 12 additional hours chosen from the following: History 475, 476, Literature in Translation 394, Mythology 303 or 393, English 394; Philosophy 401, 403; Theatre 415 and/or additional Latin courses.

Courses 208, 308, 408, and 418 are undertaken as independent study. Students wishing to enroll in these courses must make the proper arrangements with a member of the Latin faculty prior to registration.

- 101. ELEMENTARY LATIN. 3 cr.** Cultural readings accompanied by the basics of grammar. Work in the computerized Language Learning Center is required.
- 102. ELEMENTARY LATIN. 3 cr.** A continuation of Latin 101. Cultural readings accompanied by the basics of grammar. Work in the computerized Language Learning Center is required. Prerequisite: A "C" or better in LATIN 101 or approval of department head.
- 105. ELEMENTARY LATIN. 6 cr.** Cultural readings accompanied by the basics of grammar. (Same as 101-102.)
- 197, 198, 199. INTERMEDIATE LATIN. 1 cr. each.** Independent study of literary and cultural readings in Latin. Prerequisite: LATN 102 or 105 or permission of department head.
- 201. INTERMEDIATE LATIN. 3 cr.** Cultural readings accompanied by analysis of grammatical content. Prerequisite: LATN 102 or approval of department head.
- 202. INTERMEDIATE LATIN. 3 cr.** Selections from Caesar, Catullus and Cicero. Prerequisite: LATN 201 or approval of department head.
- 203. CLASSICAL STUDIES. 3 cr.** Topics in Roman civilization, culture, language, literature, and religion. Prerequisite: LATN 102 or permission of the department head.
- 208. LITERATURE OF THE LATE REPUBLIC. 1-3 cr. Maximum, 3 cr.** Prerequisite: LATN 202 or approval of department head.
- 303. CLASSICAL MYTHOLOGY. 3 cr.** Mythology of the Greeks and Romans from the creation of the world: tales of the gods, heroes, and great families that have influenced literature, art, and music. (Same as English 393).
- 308. LITERATURE OF THE GOLDEN AGE. 1-3 cr. Maximum, 3 cr.** Prerequisite: LATN 202 or approval of the department head.
- 408. LITERATURE OF THE SILVER AGE. 1-3 cr. Maximum, 3 cr.** Prerequisite: LATN 202 or approval of department head.
- 418. MEDIEVAL LATIN. 1-3 cr. Maximum, 3 cr.** Prerequisite: LATN 202 or approval of department head.

For Undergraduates and Graduates

- 401. ADVANCED READINGS IN LATIN. 3 cr., maximum 6.** Study in Latin of a specific author or literary genre. Prerequisite: LATN 202 or equivalent.

**LIBRARY SCIENCE
(LIBR)****For Undergraduates Only**

Required for School Library Media Certification: 301, 303, 307, 401, 405, 452 and Ed.F. 426—Total of 21 semester hours.

- 301. CHILDREN'S LITERATURE. 3 cr.** Survey of literature for children preschool - grade eight; application of criteria in selecting and evaluating types of literature for developmental and curriculum needs. Extensive reading of children's books. Prerequisite: Approval of instructor.
- 303. YOUNG ADULT LITERATURE. 3 cr.** Study of literature for young adults in grades seven - twelve. Emphasis on reading needs and interests of youth; principles of selection and evaluation; and extensive reading of books.
- 307. SCHOOL LIBRARY MEDIA ADMINISTRATION. 3 cr.** Administration of school library media centers with emphasis on programs of service, objective and standards, and such management problems as acquisitions, mechanical preparation of materials, budgets, facilities, and evaluation. Includes clinical experiences and six hours of observations in library settings.
- 452. LIBRARY PRACTICUM. 3-6 cr.** Designed to give the prospective library media specialist supervised experience in all phases of librarianship. A minimum of six hours per week (100 total clock hours) at a designated site. Prerequisites: 301, 303, 307, 401, 405, or consent of instructor. Must be admitted to Teacher Education.

For Undergraduates and Graduates

- 401. LIBRARY REFERENCE MATERIALS. 3 cr.** Introduction to principles and methods of reference work with emphasis on characteristics of basic and specialized reference sources; assessing new technologies for retrieval of information; teaching use of reference materials; and clinical experiences. Prerequisite: Jr. level or consent of instructor. (Formerly Information Sources and Services.)
- 405. ORGANIZATION OF LIBRARY MATERIALS. 3 cr.** Basic principles of cataloging and classifying library materials. Includes clinical experiences. Prerequisite: Jr. level or consent of instructor.

LINGUISTICS (LING)

For Undergraduates and Graduates

- 451. LANGUAGE AND CULTURE. 3 cr.** An overview of linguistic concepts and theories. Attention will be given to the history of language study and to the phenomenon of language acquisition from cultural and social viewpoints.

MANAGEMENT (MGMT)

Required for a major in Management: 305, 307, 309, 402, 414; Entrepreneurship 433; six hours of Management electives and six hours of Marketing electives — Total of 30 semester hours.

Required for a minor in Management: 301, 305, 307, 309; six hours of Management electives—Total of 18 semester hours.

For Undergraduates Only

- 203. SUPERVISION. 3 cr.** Consideration of the supervisor and relations with subordinates, colleagues, superiors, unions, and society. Managerial aspects of the first level supervisory position regardless of technical specialties, business or non-business, are emphasized.
- 301. MANAGEMENT CONCEPTS AND PRACTICE. 3 cr.** Survey of the administrative and behavioral processes fundamental to the successful operation of various types of enterprise. Planning, organizing, leading and controlling in organizations which interact with their economic, technological, social, political, ethical and global environment. Prerequisite: Junior standing. F, Sp, Sum
- 305. ORGANIZATIONAL BEHAVIOR. 3 cr.** Study of human behavior in organizational settings; perception, motivation, decision making, creativity, communication, leadership, group processes, behavioral change, and related topics. Prerequisite: Junior standing or approval of department head. F, Sp, Sum
- 306. MANAGEMENT IN THE HOSPITALITY INDUSTRY. 3 cr.** Management functions applied to the hospitality industry. Covers food service, lodging, travel, tourism, and recreational components in the domestic and international marketplace. Sp
- 307. HUMAN RESOURCE MANAGEMENT. 3 cr.** Manpower planning, recruitment, selection, appraisal, compensation, transfer and promotion, safety; other personnel topics. Prerequisite: 301 or approval of department head. F, Sum
- 308. COMPENSATION AND BENEFITS. 3 cr.** Compensation and benefits administration in public and private organizations, emphasizing determinants of compensation and benefits including corporate policy, job analysis and job evaluation. Prerequisite: MGMT 301 or 305 or consent of instructor. F
- 309. OPERATIONS MANAGEMENT. 3 cr.** The planning and controlling of key business operations: forecasting, designing worker tasks, designing quality into the processes and into the service/product, capacity management, and total resource management (personnel, materials, equipment, capital). Prerequisites: 301; MATH 116; or consent of instructor. F, Sp, Sum

- 315. STAFFING. 3 cr.** Analysis of staffing systems including personnel planning, recruitment, selection, and placement practices with emphasis on laws and regulations influencing the staffing function. Prerequisite: MGMT 301 or 305 or consent of instructor. F
- 320. HUMAN RESOURCES DEVELOPMENT. 3 cr.** Human resources development (HRD) from both an organizational and an individual point of view. Includes methods and media used in HRD and employee performance appraisal as a means of identifying HRD needs. Prerequisite: MGMT 301 or 305 or consent of instructor. Sp
- 402. INTERNATIONAL BUSINESS MANAGEMENT. 3 cr.** The spheres, growth, management challenges, and importance of international business to include: the development of international business, the global environment, production and distribution logistics, technology, risk analysis, transfer pricing, strategic planning, human resources, public policy and joint ventures. Prerequisite: MGMT 301 or 305 or consent of instructor. F
- 405. MOTION ECONOMY AND TIME ANALYSIS. 3 cr.** Principles of motion economy as related to the human body, the work place, and tools and equipment. Techniques of making time and motion studies; development of setup standards on machine performance; time study as a basis of cost control. Prerequisite: MGMT 301. Sp
- 409. STRATEGIC MANAGEMENT. 3 cr.** Policy and strategy formulation and implementation from an overall management perspective requiring integrative analysis of business functions and disciplines as affected by social, ethical, environmental, and international competitive influences. Prerequisites: Business Law 401, Computer Science 170, Finance 315, Management 301, Marketing 301, Business 305, Quantitative Methods 210, and Senior standing in the College of Business Administration. F, Sp, Sum
- 410. SEMINAR IN HUMAN RESOURCE MANAGEMENT. 3 cr.** Contemporary personnel and human resources problems such as staffing, compensation and benefits, human resources development, health and safety, employee and labor relations, and personnel research. Prerequisite: MGMT 301 or 305 or consent of instructor. Sp
- 411. ADVANCED PRODUCTION AND OPERATIONS MANAGEMENT I. 3 cr.** Inventory management including objectives, policies, systems and techniques. Just-in-time techniques and implementation, JIT effects on quality and human resources. Forecasting, order servicing, production and resource planning and master scheduling. Prerequisite: MGMT 309. F
- 412. ADVANCED PRODUCTION AND OPERATIONS MANAGEMENT II. 3 cr.** Material and capacity requirements planning, including MRP and CRP techniques and concepts. Production activity control which focuses on lead-time management and measurement of controls. Implementation of production systems and technologies. Prerequisite: MGMT 309. Sp
- 413. SUPPLY CHAIN MANAGEMENT. 3 cr.** Management and integration of the supply chain over the entire channel of distribution. Proactive procurement and control of materials and services in a global environment. Topics: inventory control, quality control, production scheduling, materials handling, storage, contracting, make or buy analysis, value analysis, outsourcing, transportation, and salvage. Prerequisite: MGMT 301 or MRKT 301 or consent of instructor. F

For Undergraduates and Graduates

- 407. COLLECTIVE BARGAINING. 3 cr.** Process of developing and administering agreements between labor and management concerning terms and conditions of employment. Theoretical analysis research reports, and actual bargaining. Prerequisite: 301 and Senior standing or approval of department head. Sp
- 414. QUALITY MANAGEMENT. 3 cr.** Management of the continuous quality improvement process. Emphasis is on service and manufacturing industries. Covers a variety of methods and procedures for quality analysis and improvement. Prerequisite: MGMT 309 or consent of instructor. Sp

481. **CONTINUING STUDIES IN MANAGEMENT. 3 cr.** Applied general management for students not pursuing a degree. May be repeated. Credit may not be applied toward a degree in the College of Business Administration. Grades of CR (Credit) or NC (No Credit) will be awarded. F, Sp, Sum

MARINE SCIENCE (MNSC)

The University of Louisiana at Monroe is a member of the Louisiana Universities Marine Consortium (LUMCON) and offers summer courses at the LUMCON DeFelice Marine Center in Cocodrie, Louisiana. Students must first apply to LUMCON. Once accepted into the summer program, the student then registers for credit at the University of Louisiana at Monroe. Room and board expenses at LUMCON and applicable laboratory fees will be assessed. Go to <http://www.lumcon.edu> for more information.

For Undergraduates Only

- 201 **INTRODUCTION TO MARINE SCIENCE. 4 cr.** Introduction to chemical, geological, physical and biological processes in the oceans and coastal environments; interrelationships of humans and the marine environment. Prerequisite: Introductory science course or permission of instructor. Four weeks. LUMCON Summer course; alternating years.
202. **INTRODUCTION TO MARINE ZOOLOGY. 4 cr.** Field and laboratory survey of marine animals, particularly those of the Louisiana Gulf Coast; classification, morphology, physiology, and ecology. Prerequisites: Introductory biology course and lab or permission of instructor. Four weeks. LUMCON Summer course; alternating years.

For Undergraduates and Graduates

402. **WETLAND VEGETATION. 4 cr.** Identification, taxonomy and distribution of wetland plants. Plant adaptations, vegetation analysis methods, marsh types, community processes and coastal wetland restoration will also be discussed. Prerequisites: junior or senior standing or permission of instructor. Three weeks. LUMCON Summer course; alternating years.
411. **MARINE FIELD ECOLOGY. 4 cr.** Relationships of marine and estuarine organisms to environmental factors; interactions among organisms; ecological processes of energy and materials flow; field studies of communities and ecosystems of the Louisiana coastal zone. Prerequisites: BIOL 120, 121; 330 or 332; CHEM 107, 109; permission of instructor. Four weeks. LUMCON Summer course; alternating years.
421. **CORAL REEF ECOLOGY. 3 cr.** An introductory, interdisciplinary course in the ecology of coral reef ecosystems, with an emphasis on ecological and evolutionary processes. Aspects of physical oceanography, chemical ecology, and geology will be included. Prerequisites: eight hours of biology or permission of instructor. One and a half weeks at the Louisiana Universities Marine Consortium, and one and a half weeks in Florida. LUMCON Summer course; alternating years.
451. **MARINE INVERTEBRATE ECOLOGY. 3 cr.** In-depth study of the interaction of marine invertebrates with their environment. Emphasis will be placed on understanding the functional role of invertebrates and how the environment shapes morphology, physiology, and behavior. Not intended to be a comprehensive study of invertebrate taxa. Prerequisites: BIOL 330; MNSC 410; or permission of instructor. Three weeks. LUMCON Summer course; alternating years.
456. **MARINE FISH ECOLOGY. 3 cr.** This course will explore the ecology of coastal marine fishes emphasizing aspects of how fish utilize coastal habitats and how environmental factors influence the distribution, movement, growth, reproduction, abundance, and interspecific interactions of fishes especially their early life history stages. Prerequisites: 16 hours of biology or permission of the instructor. Three weeks. LUMCON Summer course; alternating years.

461. **COASTAL FIELD GEOLOGY. 3 cr.** Sedimentary environments, coastal processes, and environmental geological problems of the Mississippi delta plain. Prerequisites: GEOL 101, 102, 103, 104; permission of instructor. Three weeks. LUMCON Summer course; alternating years.
471. **SPECIAL TOPICS IN MARINE SCIENCE. 1-6 cr. Maximum credit-6hrs.** Courses to be offered vary from year to year; additional information available from department. Intensive field study of a special topic in marine science at the Louisiana Universities Marine Consortium. Prerequisites: 16 hours of science courses including one upper level laboratory course.
491. **SPECIAL PROBLEMS IN MARINE SCIENCE. 1-6 cr.** Directed research and study at a coastal laboratory of the Louisiana Universities Marine Consortium. By arrangement.

MARKETING (MRKT)

Required for a major in Marketing: 302, 305, 308, 403, 406, 407, 409; Marketing 410 or 411; three hours of Marketing electives from Marketing 304, 307, 401, 410 or 411; Management 413—Total of 30 semester hours.

Required for a minor in Marketing: 301, 302, 308, 409; six hours of Marketing electives—Total of 18 semester hours.

For Undergraduates Only

301. **FUNDAMENTALS OF MARKETING. 3 cr.** Marketing by the firm in a competitive economy at the local, national, and international level. Emphasis on the development, implementation, and control of marketing strategies including market target identification and the design of a marketing mix. Prerequisite: Junior standing. F, Sp, Sum
302. **CONSUMER BEHAVIOR. 3 cr.** A study of the contribution of psychology, sociology, anthropology and other behavioral sciences to marketing management. Prerequisite: Credit or registration in MRKT 301; PSYC 201. F, Sum
304. **SALES MANAGEMENT. 3 cr.** Organization of sales departments; selecting; training, compensating, motivating, and maintaining sales personnel; budgeting; distribution cost analysis; special problems in managing an outside sales force. Prerequisite: MRKT 301. Sp
305. **PERSONAL SELLING. 3 cr.** The fundamental principles of selling; the economic problems connected with personal selling; an analysis of the product and the market; the interview; and building good will. Prerequisite: MRKT 301. F, Sp, Sum
307. **RETAILING. 3 cr.** Marketing to ultimate consumers. Operation of a retail outlet; store organization, displays, location, layout, purchasing, retail advertising, product analysis, personnel management, store services, and operating controls. Prerequisite: MRKT 301. Sp
308. **MARKETING RESEARCH. 3 cr.** Modern marketing research techniques and their application by management to problems involving marketing strategy development, implementation, and control. Prerequisites: 301; six hours of Marketing electives; MATH 116 or consent of instructor. F
330. **ENTREPRENEURIAL MARKETING. 3 cr.** Marketing during the start up and growth stage of new ventures in a dynamic economy at the local, national, and international level. Emphasis on the application of marketing fundamentals in new growing ventures. Prerequisite: Junior standing. (Same as ENTR 353)
407. **ADVERTISING AND SALES PROMOTION. 3 cr.** The nonpersonal promotion strategies of modern business. Consideration of budgets, media, messages, and timing of advertising effort. Prerequisite: MRKT 301. F, Sp
409. **MARKETING MANAGEMENT. 3 cr.** Analysis of actual business situations requiring decisions by marketing executives in the marketing mix and environmental areas of marketing. Prerequisites: Six hours of Marketing above MRKT 301. Sp, Sum

- 410. **PROFESSIONAL SELLING. 3 cr.** An in-depth study of professional selling. Emphasis is placed on negotiating skills, customer relationship management, and general sales-related topics including sales automation, team selling, conflict resolution, ethical issues, and time/territory management. Prerequisites: MRKT 301 and MRKT 305. Sp
- 411. **INTEGRATED MARKETING CAMPAIGNS. 3 cr.** The study of integrated marketing communication campaign strategies used by businesses and non-profit organizations. Students develop advertisements, public relations releases, sales promotion tools, and direct marketing pieces to coincide with their campaign plan. Prerequisites: MRKT 301 and MRKT 407. F

For Undergraduates and Graduates

- 401. **INTERNATIONAL. 3 cr.** All phases of marketing as applied in an international operation: research, marketing channels, promotion, financing, pricing, licensing, organization requirements, and methods of coordination. Prerequisite: MRKT 301. F
- 403. **SERVICES MARKETING. 3 cr.** Study of the special characteristics of service enterprises and the development of marketing strategies for such organizations. Prerequisites: MRKT 301. Sp, Sum
- 406. **BUSINESS-TO-BUSINESS MARKETING. 3 cr.** Strategies and tactics used in marketing complex technologies and services to industrial firms. Emphasis is given to value and vendor analysis as key elements in business-to-business marketing. Prerequisite: MRKT 301. F

**MASS COMMUNICATIONS
(MCOM)**

Required for a major in Mass Communications: MCOM 201; 210; 311, 312, 411, or 412; 330, 341, or 360; six hours from 350, 351, 352, 354, 355, or 433; 370; 390; 435, 465, or 482; 481; 490; twelve hours of Mass Communications electives, at least six hours of which must be at the 400 level - Total of 42 semester hours.

A student electing a major in Mass Communications has the option of choosing an academic minor.

Required for a minor in Mass Communications: MCOM 201; 210; 330, 341 or 360; 350, 351, 352, 354, or 355; 370; 481 - Total of 18 semester hours.

Mass Communications majors and minors must participate in co-curricular activities within the Mass Communications program.

For Undergraduates Only

- 101. **MEDIA LITERACY. 3 cr.** A critical survey of print and electronic media designed to enhance the user's media literacy and media consumer skills. For non-MCOM majors only.
- 201. **MASS COMMUNICATIONS AND SOCIETY. 3 cr.** History, structure and practices of media industries and professions, and their roles in society; introduction to issues, vocabulary and technological trends for media producers.
- 202. **MEDIA PERFORMANCE. 3 cr.** The role of the announcer; principles of communication in the electronic media; voice and diction, including foreign pronunciation; techniques for various program types A \$50 fee is charged each student to help defray expenses related to this course.
- 210. **WRITING FOR MEDIA. 3 cr.** Introduction to writing for mass media, including basics of print and broadcast newswriting, print and broadcast copywriting, and writing for online media, with special attention to the AP Stylebook. Prerequisite: ENGL 102.
- 311. **FEATURE WRITING. 3 cr.** Preparation of human interest and feature articles for newspapers and magazines. Prerequisite: MCOM 210 or consent of department head.

- 312. **BROADCAST COPYWRITING. 3 cr.** Preparation of short-form copy for radio and television, including public service, advertising and promotional material, with emphasis on the relationship between writers and users of electronic media. Prerequisite: MCOM 210.
- 330. **JOURNALISM I. 3 cr.** Concepts, theories, and practices of writing news for print and broadcast media, including news judgement, use of sources, organizing information, and copy editing. Introduction to news reporting for print and broadcast. Prerequisites: MCOM 210, ENGL 102, passing grade on departmental grammar exam.
- 331. **JOURNALISM II. 3 cr.** Builds upon MCOM 330 with development of news gathering, writing and editing for print and broadcast media, emphasizing interviewing techniques, newscasting and special events and stories. Students will be assigned campus beats. Prerequisite: MCOM 330.
- 341. **BROADCAST PROGRAMMING. 3 cr.** Analysis of program forms used in the electronic media, effective program structure, and consideration of the audience in relation to programming. Prerequisite: Sophomore standing.
- 350. **AUDIO PRODUCTION. 3 cr.** Introduction to audio production for radio, video, film and music recording, including principles, equipment, pre-production, production, and post-production. A \$50 fee is charged each student to help defray expenses related to this course. Prerequisite: Sophomore standing.
- 351. **PHOTOCOMMUNICATION. 3 cr.** Introduction to photo-communication for print media, using digital technology in news, public relations, and related mass communications applications. Prerequisite: Sophomore standing.
- 352. **VIDEO PRODUCTION. 3 cr.** Introduction to in-studio video production, including camera techniques and effects, equipment utilization and lighting. A \$50 fee is charged each student to help defray expenses related to this course. Prerequisite: Sophomore standing.
- 354. **ELECTRONIC MEDIA DESIGN. 3 cr.** Graphics, typography, layout, design and related creative techniques for a variety of mass communications applications. Prerequisite: Sophomore standing.
- 355. **INTERACTIVE MEDIA PUBLISHING. 3 cr.** An integrated approach to interactive media publishing, focusing on the establishment of an effective online presence through the design, development, and management of Internet web sites utilizing text, images, sound and video. Prerequisites: MCOM 354 or permission of instructor.
- 360. **PUBLIC RELATIONS PRINCIPLES AND CASE STUDIES. 3 cr.** Overview of the evolution, structure, principles and practices of the public relations profession, emphasizing human behavior in social situations and the role of public opinion in contemporary society. Prerequisite: Sophomore standing.
- 361. **PUBLIC RELATIONS WRITING AND PLANNING. 3 cr.** Publicity planning, writing for all media, and developing techniques for working with mass media and other publics. Prerequisite: MCOM 210 and 360.
- 370. **MASS COMMUNICATION THEORY AND RESEARCH. 3 cr.** Theories and research techniques for the study of mass communications processes and effects, emphasizing methods of audience identification, measurement and evaluation for print and electronic media. Prerequisites: MATH 111 or higher; junior standing.
- 390. **PRACTICUM. 1 cr.** Supervised, on-campus application of methods and techniques in an area of mass communications. Prerequisite: Completion of 12 credit hours of Mass Communications coursework; approval of advisor and supervisor.
- 401. **MASS COMMUNICATIONS SEMINAR (non-repeatable) 3 cr.** Scholarly approaches to contemporary topics in mass communications. Content varies. Prerequisite: Junior standing.
- 491. **DIRECTED STUDY. 1-3 cr.** Individualized study of selected topics in the field of mass communications. Prerequisites: Junior standing; approval of advisor and directed study supervisor.

For Undergraduates and Graduates

411. **OPINION WRITING. 3 cr.** Analysis of news media editorial policy and study of the principles of interpretive comment on current affairs, with emphasis on editorial writing and presentation. Prerequisite: MCOM 210 or consent of department head.
412. **SCRIPTWRITING. 3 cr.** Preparation of scripts for all long-program formats, with emphasis on writing and marketing radio, television, and film drama and documentaries. Prerequisite: MCOM 210 or consent of department head.
432. **ADVANCED REPORTING FOR PRINT MEDIA. 3 cr.** Depth reporting and critical writing on police, court, political, financial, governmental and other social events and issues. Prerequisite: MCOM 331.
433. **ELECTRONIC NEWS GATHERING. 3 cr.** Concepts and practices of news coverage for the electronic media, with special attention to field techniques, visualization and editing. A \$50 fee is charged each student to help defray expenses related to this course. Prerequisite: MCOM 331.
435. **JOURNALISM MANAGEMENT. 3 cr.** Methods and practices for the production, promotion, and management of print and broadcast news; issues and techniques of managing and leading media companies in rapidly changing business and cultural environments. Prerequisite: Junior standing.
440. **MEDIA SALES AND PROMOTIONS. 3 cr.** In-depth study of selling for media, from prospecting to servicing accounts, with emphasis on adapting sales techniques to the special needs of print and broadcast media. Prerequisite: Junior standing.
445. **BROADCAST MANAGEMENT. 3 cr.** Organization and administration of broadcast stations and other electronic media systems, with attention to operations, community relations, and financial management. Prerequisite: Junior standing.
451. **ADVANCED PHOTOCOMMUNICATION. 3 cr.** Theory and techniques of photocommunication for print media, emphasizing use of still photography for in-depth investigating and reporting. Prerequisite: MCOM 351.
452. **ADVANCED VIDEO PRODUCTION. 3 cr.** Theory and techniques of video production from conception to completion, for a variety of mass communications applications. A \$50 fee is charged each student to help defray expenses related to this course. Prerequisite: MCOM 352.
454. **ADVANCED ELECTRONIC MEDIA DESIGN. 3 cr.** Theory and principles of electronic media design from conception to completion, for a variety of mass communications applications emphasizing multimedia. Prerequisite: MCOM 354.
460. **PUBLIC RELATIONS CAMPAIGNS. 3 cr.** Use of research to identify problems and development of strategies to meet public relations needs for actual clients. Prerequisites: MCOM 361 and credit for or concurrent registration in MCOM 370.
471. **VISUAL COMMUNICATION. 3 cr.** Theories of perception, methods of analysis of visual media, and principles and strategies of visual communication, emphasizing critical thinking about the role and function of media in society.
472. **MEDIA ANALYSIS AND CRITICISM. 3 cr.** Critical methodologies and analysis of media content and programming, emphasizing aesthetic, historical, social, cultural, and industrial factors affecting audience response. Prerequisite: Junior standing.
481. **MASS COMMUNICATIONS LAW. 3 cr.** Legal limitations and privileges affecting publishing, advertising, broadcasting, telecasting; consideration of legal philosophy bearing on mass communications media. Prerequisite: Junior standing.
482. **BROADCAST REGULATION. 3 cr.** The study of electronic media law and the Federal Communication's rules and procedures, including an examination of current trends of the Commission and their possible effects on the industry and society. Prerequisite: MCOM 481.
490. **INTERNSHIP. 2 cr.** Field experience under the general supervision of a faculty member and the direct supervision of an industry professional, with academic components including a final paper and presentation. Prerequisites: MCOM 390 and approval of academic advisor, faculty internship supervisor and site supervisor.

MATHEMATICS (MATH)

Undergraduate Requirements

Required for a major: 131, 132, 202, 232, 240, 380, 386, and either 417 or 425, two additional courses numbered 300 and above, and three additional 400 level courses, for a total of 39 semester hours.

Required for a major (Mathematics Education): 113, 131, 132, 202, 232, 240, 303, 307, 386, and one hour of mathematics elective. Total of 31 semester hours. (See specific degree plan in the College of Education and Human Development section).

Required for a minor: 131, 132, 202, 240, plus 2 courses numbered 300 or above for a total of 20 semester hours.

Required for a minor (Mathematics Education): 113, 131, 132, 202, 232, 307. Total of 21 semester hours. Teacher certification in this minor area requires 30 credit hours or the Praxis content specialty exam.

A student whose ACT/SAT score places them in developmental English or math must successfully complete the course or courses within the first three semesters of enrollment at the University of Louisiana at Monroe to be eligible to maintain continued enrollment. A maximum of three attempts (including drop "W" attempts) will be allowed for the required course. Students who fail to meet this requirement during this time limit must successfully complete the developmental course at another university or community college before being eligible to return to ULM.

For Undergraduates Only

All students whose placement criteria tests indicate that they are deficient in basic algebraic skills will be required to pass MATH 093 with a "C" or better before enrolling in any Mathematics course numbered 100 or above.

Because of substantial overlap in content:

Only one course from the following may be taken for credit toward graduation: MATH 110 or MATH 111.

Only one course from the following list may be taken for credit toward graduation: MATH 111, and MATH 113; Only one course from the following list may be taken for credit toward graduation: MATH 112 and MATH 113; Only one course from the following list may be taken for credit toward graduation: MATH 114 and MATH 131.

Successful completion of Math 110 or 111 and 112 may substitute for Math 113.

093. **INTRODUCTORY ALGEBRA. 3 cr.** Review of fundamentals; operations and properties of rational and real numbers; solutions and linear equations and applications; graphing linear equations and inequalities in two variables; solving systems of linear equations; exponents and polynomials; factoring polynomials; simplifying rational and radical expressions; solving fractional, radical, and quadratic equations. Three semester hours will be added to the degree program of any student required to take this course. Open only to students whose Math ACT is less than 18.

- 110. COLLEGE ALGEBRA WITH REVIEW. 5 cr.** Review of fundamentals. Solving equations, inequalities and systems of equations. Functions and graphs including but not limited to polynomials, rational, logarithmic and exponential functions. Credit in Math 110 is equivalent to Math 111. Prerequisite: Math ACT from 18 to 20 or successful completion of Math 093.
- 111. COLLEGE ALGEBRA. 3 cr.** Solving equations, inequalities and systems of equations. Functions and graphs including but not limited to polynomials, rational, logarithmic and exponential functions. Prerequisite: Open only to students whose Math ACT is 21 or higher.
- 112. TRIGONOMETRY. 3 cr.** Trigonometric functions, trigonometric identities and equations, logarithms, vectors, complex numbers. Prerequisite: A grade of "C" or better in MATH 110 or 111.
- 113. ELEMENTARY FUNCTIONS. 3 cr.** A pre-calculus course emphasizing functions of algebraic, trigonometric, and transcendental nature. This course is designed for those students who intend to enroll in calculus. Prerequisite: Open only to students whose Math ACT is 21 or higher.
- 114. APPLIED CALCULUS FOR THE LIFE SCIENCES. 3 cr.** A study of the concepts of differential and integral calculus with applications from the life sciences. Prerequisite: A grade of C or better in Math 110 or 111.
- 116. ELEMENTARY STATISTICS. 3 cr.** Introduction to descriptive statistics, probability, binomial and normal distributions, hypothesis testing, correlation and regression. Not applicable to a major or minor in mathematics or computer science. Prerequisites: A grade of "C" or better in MATH 110, 111, 113 or 114.
- 118. THE NATURE OF MATHEMATICS. 3 cr.** Selected topics from number theory, modular arithmetic, geometry, voting theory, fair division, graph theory scheduling, basic statistics, probability and consumer mathematics. Prerequisite: A grade of "C" or better in Math 110, 111, 113, or 114.
- 131. CALCULUS. 4 cr.** Functions, limits and continuity, derivatives, applications of the derivative, the integral, conic sections. Prerequisite: A grade of "C" or better in MATH 113 or permission of instructor.
- 132. CALCULUS. 4 cr.** Inverse functions, techniques of integration, applications of the integral, sequences and series. Prerequisite: A grade of "C" or better in MATH 131.
- 201H. HONORS MATHEMATICS. 2 cr.** A course in the aesthetics of mathematics, including such studies as logic, the history of mathematics, famous impossibilities and unsolved problems. Prerequisites: Five hours of Mathematics at the III level or higher and admission to the University Honors Program or permission of the University Honors Council.
- 202. APPLIED LINEAR ALGEBRA. 3 cr.** An introduction to the application of matrix algebra. Emphasis on the application of procedures and algorithms. Prerequisite: A grade of "C" or better in MATH 131 or 114. Sp
- 232. CALCULUS. 4 cr.** Vectors, lines, and planes, vector valued functions, partial derivatives, multiple integrals, calculus of vector fields. Prerequisite: A grade of "C" or better in MATH 132. Sp
- 240. FOUNDATIONS OF MATHEMATICS. 3 cr.** Introduction to logic and proofs, set theory, functions and structures relating to algebra and analysis. Prerequisite: A grade of "C" or better in MATH 131. F
- 250. NUMERICAL FOUNDATIONS FOR TEACHERS. 3 cr.** A survey of elementary number theory, operations, and algorithms. For Elementary Education majors only. Prerequisite: A grade of "C" or better in MATH 110 or MATH 111.
- 251. PROBABILITY AND DATA ANALYSIS FOR ELEMENTARY TEACHERS. 3 cr.** A survey of descriptive statistics and probability. For Elementary Education majors only. Prerequisite: A grade of "C" or better in MATH 250.
- 252. MATHEMATICAL FOUNDATIONS FOR ELEMENTARY TEACHERS. 3 cr.** A survey of patterns, functions, and algebraic underpinnings. For Elementary Education majors only. Prerequisite: A grade of "C" or better in MATH 251.
- 301. DIFFERENTIAL EQUATIONS. 3 cr.** An introduction to ordinary differential equations, emphasizing equations of first order and first degree, linear differential equations of higher order, and applications of equations which arise in geometry, chemistry, and physics. Prerequisite: A grade of "C" or better in MATH 132. F
- 303. ELEMENTARY MATHEMATICAL STATISTICS. 3 cr.** Random variables, probability, distribution functions, mathematical models, testing hypotheses, frequency distributions, correlations, regression, goodness of fit, derived distributions, non-parametric methods. Prerequisite: MATH 131.
- 307. COLLEGE GEOMETRY. 3 cr.** Selected topics from finite, projective, or non-Euclidean geometries. Advanced topics in Euclidean geometry, including constructions. Prerequisite: A grade of "C" or better in MATH 240. Sp
- 350. GEOMETRY AND MEASUREMENT FOR ELEMENTARY TEACHERS. 3 cr.** A survey of Euclidian geometry and measurement. For Elementary Education majors only. Prerequisite: A grade of "C" or better in MATH 252.
- 373. NUMERICAL METHODS. 3 cr.** Numerical algorithms fundamental to scientific work including discussion or error. Prerequisite: CSCI 203, a grade of "C" or better in MATH 202, and MATH 132. (Dual listed as CSCI 373).
- 380. REAL ANALYSIS. 3 cr.** Sequences and series of real numbers and their convergence; continuity, differentiation, and integration of real valued functions of one real variable. Prerequisites: A grade of "C" or better in MATH 232, MATH 240.
- 386. MODERN ALGEBRA. 3 cr.** Axioms and the nature of proof, groups, rings, integral domains, fields, homomorphisms and isomorphisms. Prerequisite: A grade of "C" or better in MATH 202 and MATH 240.
- 407. HISTORY OF MATHEMATICS. 3 cr.** University Capstone Course. Selected topics on the development of mathematics as a human endeavor; numeration systems; growth of algebra, trigonometry, geometry, and the calculus; contributions from various cultures; selected biographies of mathematicians. Prerequisites: A grade of "C" or better in MATH 240 and either MATH 380 or MATH 386.
- 409. CRYPTOLOGY. 3 cr.** Introduction to modern applications of mathematics. Private key ciphers, including shift, affine and vigenere; attacks on these ciphers. Modern public key ciphers including RSA and Knapsack. Prerequisite: A grade of "C" or better in Math 240 or permission of the instructor.
- 417. ADVANCED REAL ANALYSIS. 3 cr.** Sequences and series of vector-valued functions of several real variables and their convergence; continuity, differentiation, and integration of vector-valued functions of several real variables. Prerequisite: A grade of "C" or better in MATH 380.
- 420. INTRODUCTION TO BIostatISTICS I. 3 cr.** An introduction to the discipline of statistics and its application to problems of biology, including human biology, medicine, and public health. Topics include Bayesian inferences, estimation techniques, hypothesis testing, goodness of fit, and analysis of variance. Prerequisite: MATH 114 or MATH 131 or permission of the department head and junior standing or above. (Same as Computer Science 420).
- 421. INTRODUCTION TO BIostatISTICS II. 3 cr.** A continuation of 420. Topics include linear and multiple regression, logistics regression, longitudinal data analysis, nonparametric methods and principle component techniques. Prerequisite: MATH 420 or CSCI 420 and junior standing or above. (Same as Computer Science 421).
- 431. FUNDAMENTALS OF HIGH SCHOOL MATHEMATICS I. 3 cr.** Emphasis is on teaching at the high school level. Topics include, but are not restricted to, number concepts and relationships, geometry and measurement. Not applicable toward a major or minor in mathematics. Applies to middle and high school certification.
- 432. FUNDAMENTALS OF HIGH SCHOOL MATHEMATICS II. 3 cr.** Emphasis is on teaching at the high school level. Topics include, but are not restricted to, algebra, algebraic structures, data analysis, basic statistics. Not applicable toward a major or minor in mathematics. Applies to middle and high school certification.

For Undergraduates and Graduates

- 401. DIFFERENTIAL EQUATIONS. 3 cr.** Series solutions to ordinary differential equations, Laplace transforms, systems of differential equations, numerical methods and applications which arise in geometry, chemistry, and physics. Prerequisite: MATH 301.
- 402. LINEAR SPACES. 3 cr.** A study of abstract vector spaces including function spaces, linear transformations, operators, functionals and duality, bilinear and quadratic forms. Prerequisite: MATH 202, 132.
- 403-404. MATHEMATICAL STATISTICS. 3 cr. each.** Probability, discrete and continuous random variables, expected values and moments, special continuous distributions, sampling, point estimation, multivariate normal, interval estimation, tests of hypothesis, regression and linear hypothesis, experimental design models, sequential tests, and nonparametric methods. Prerequisite: MATH 303.
- 405. PARTIAL DIFFERENTIAL EQUATIONS. 3 cr.** Fourier series, boundary value problems, partial differential equations, special functions, with an emphasis on applications. Prerequisite: MATH 301.
- 406. THEORY OF FUNCTIONS OF A COMPLEX VARIABLE. 3 cr.** Real and complex numbers, differentiation and integration of functions of a complex variable, mapping by elementary functions, transformations, infinite series, and theory of residues and poles. Prerequisite: MATH 232.
- 411. FUNDAMENTALS OF MIDDLE SCHOOL MATHEMATICS I. 3 cr.** For the middle-school teacher; number concepts and relationships; geometry and measurement; algebra and algebraic structures. Emphasis is on teaching mathematics at the middle school level. Not applicable toward a major nor minor in mathematics at undergraduate or graduate level. Applies to elementary and middle school certification.
- 412. FUNDAMENTALS OF MIDDLE SCHOOL MATHEMATICS II. 3 cr.** Probability and statistics for the middle-school teacher. Topics include, but are not restricted to, data analysis and basic concepts of probability and statistics. Not applicable toward a major nor minor in mathematics at undergraduate or graduate level. Applies to elementary and middle school certification.
- 419. TOPOLOGY. 3 cr.** Point sets, axiomatic bases, topology of the line and the plane. Emphasis on connectedness, compact sets and continuous transformations. Prerequisite: MATH 202 and 232.
- 425. ADVANCED MODERN ALGEBRA. 3 cr.** Continuation of Math 386; Euclidean domains, unique factorization domains, principal ideal domains, Galois theory and related topics. Prerequisite: A grade of "C" or better in MATH 386.
- 498. RESEARCH. 1-3 cr. Maximum, 6 cr.** Open to advanced undergraduates who are capable of developing a problem independently. A. Algebra; B. Analysis; C. Topology; D. Statistics. Prerequisite: Approval of department head.
- 210. APPLIED LEADERSHIP. 2 cr.** The study of leadership principles and fundamentals, team development, and tactical skills. Registration in MILS 211 required.
- 211. BASIC LEADERSHIP LAB III. 1 cr.** Practical laboratory of leadership skills to develop individual skills and develop individuals as part of an effective team. Activities include advanced drill, military tactics, communications, land navigation, and basic rifle marksmanship.
- 212. LEADERSHIP DEVELOPMENT. 2 cr.** The study of land navigation, individual tactical skills, and communications. Registration in MILS 211 required.
- 213. BASIC LEADERSHIP LAB IV. 1 cr.** A practical laboratory of applied leadership and military skills to accompany MILS 212. Activities include rifle marksmanship, first aid, rope crafts, physical conditioning, individual tactical skills, and team development.
- 214. CAMP CHALLENGE. 6 cr.** A six-week summer camp conducted at an Army post. Provides the student with core training allowing placement into the 300/400 level courses. Non-obligatory. Open to students who have not taken all four of MILS 110, 112, 210, and 212 classes, and who pass a physical examination paid for by ROTC. Prerequisite: Approval of the Professor of Military Science and completion of a minimum of 57 credit hours. To receive credit, the student must enroll in a summer term prior to departure for camp.
- 310. LEADERSHIP TACTICS. 3 cr.** Military leadership principles, land navigation, small unit tactics, and physical training. Registration in MILS 311 required.
- 311. ADVANCED LEADERSHIP LAB I. 1 cr.** Laboratory course to accompany MILS 310. A practical laboratory of applied leadership that is planned and executed by the MS IV cadets. Activities include drill and ceremonies, land navigation, rappelling, rifle marksmanship, tactics, first aid, water survival, physical conditioning, and communications.
- 312. LEADERSHIP AND MANAGEMENT. 3 cr.** Military principles, small unit tactics, tactical communications and physical training. Includes participation in a three-day field training exercise. Registration in MILS 313 required.
- 313. ADVANCED LEADERSHIP LAB II. 1 cr.** Laboratory course to accompany MILS 312. A practical laboratory of applied leadership that is planned and executed by the MS IV cadets. Activities include drill and ceremonies, land navigation, rifle marksmanship, tactics, physical conditioning, and communications.
- 314. ROTC ADVANCED CAMP. 3 cr.** Five weeks of intensified instruction and practical exercise in tactics, leadership, and weapons conducted at an Army post under the control of ROTC instructor personnel. Prerequisites: 310 and 312. To receive credit for 314, the student must enroll in the second summer session prior to departure for camp.
- 410. ADVANCED LEADERSHIP AND MANAGEMENT. 3 cr.** Study of command and staff activities, customs and courtesies, ethics, platoon operations, oral presentation techniques, and counseling.
- 411. ADVANCED LEADERSHIP LAB III. 1 cr.** Laboratory course to accompany MILS 410. A practical laboratory of applied leadership that is planned and executed by the MS IV cadets. Activities include drill and ceremonies, land navigation, rappelling, rifle marksmanship, tactics, first aid, water survival, physical conditioning, and communications.
- 412. OFFICERSHIP. 3 cr.** Study of administrative skills, military law, responsibilities of an officer, and applied management techniques.
- 413. ADVANCED LEADERSHIP LAB IV. 1 cr.** Laboratory course to accompany MILS 412. A practical laboratory of applied leadership that is planned and executed by the MS IV cadets. Activities include drill and ceremonies, land navigation, rifle marksmanship, tactics, physical conditioning, and communications.
- 499. DIRECTED STUDY. 3 cr. Maximum 9 cr.** Directed study at a military installation: A. Air Assault School; B. Airborne School; C. Cadet Troop Leader Training; D. Northern Warfare Training; E. Mountain Warfare Training; F. Other. Prerequisite: Approval of the Professor of Military Science.

MILITARY SCIENCE (MILS)

Required for a minor: 310, 311, 312, 313, 314, 410, 411, 412, 413—Total of 19 semester hours.

- 110. INTRODUCTION TO LEADERSHIP. 1 cr.** Introduction to the Army's mission, role, organization, customs and traditions, and military skills.
- 111. BASIC LEADERSHIP LAB I. 1 cr.** Practical laboratory of applied leadership and tactical skills taken with MILS 110. Activities include basic drill, land navigation, physical fitness, communications, basic rifle marksmanship, and rappelling.
- 112. LEARNING TO LEAD. 1 cr.** Introduction to the Army fundamentals of leadership and first aid.
- 113. BASIC LEADERSHIP LAB II. 1 cr.** Practical laboratory of applied leadership and tactical skills taken with MILS 112. Activities include rifle marksmanship, first aid, rope crafts, physical conditioning, individual tactical skills, and team development skills.

MUSIC (MUSC)

Undergraduate Requirements

The mission of the Division of Music at The University of Louisiana at Monroe is the preparation of professional musicians within the areas of music education, performance, theory and composition, and history and literature; the establishment of a cultural climate on campus; and the provision of musical services to the local area and to the region surrounding the University. The Division of Music also provides many opportunities for students who were in high school performing groups and are majoring in other disciplines, to participate in University music performance organizations based upon their interests and abilities.

Before being accepted as a music or music education major, a student must successfully complete an entrance audition (personal or solo performance recording) and a theory placement examination. For further information, contact the Head of the Division of Music.

Required for a Bachelor of Music Degree: Music 102, 103, 104, 105, 193, 202, 203, 204, 205 and 273. In addition, students must complete one of the following major concentrations:

- A. Instrumental Music Performance:
6 hours of foreign language, Music 390, 474, 478, 479, 481, 490, 491, 492, 493 or 494, 495 or 497, 8 hours of major ensemble, 16 hours of major performance, 7 hours of minor performance¹, and 4 hours of 434. During their 400-level semesters of major performance study, Instrumental Performance majors will study literature and pedagogy and will participate in supervised teaching situations appropriate to their instrument.
- B. Music History and Literature:
6 hours of foreign language, 16 hours of major performance², Music 464, 474, 477, 478, 481, 491, 492, 493, 494, 499, 470 or 495 or 498, 482 or 497, 483 or 484 or 496, and 8 hours of major ensemble.
- C. Music Theatre:
16 hours of voice, 6 hours of piano, 8 hours of major ensemble, Music 476 or 479 and 486, and 7 hours of music electives; Theatre 207, 221, 301, 321, 415, and 425 and 1 hour of theatre or dance electives; Dance 125 and 112 or 114 or 126.
- D. Music Theory and Composition:
6 hours of foreign language, 16 hours of major performance³, 6 hours of minor performance³, 8 hours of major ensemble, Music 194, 275 (2 hours), 375, 390, 471, 474, 477, 478, 491, 492, and 475 or 480.
- E. Piano Pedagogy:
6 hours of foreign language, 16 hours of major performance, 6 hours of 435, 2 hours of major ensemble, Music 337, 338, 437, 438, 460, 461, 468, 474, 491, 492, 497, and 2 of the following: 477, 478, 481.

- F. Voice Performance:
12 hours of foreign language⁴, 16 hours of voice, 4 hours of piano², Music 291, 292, 293, 294, 390, 474, 476, 490, 491, 492, 496, 8 hours of major ensemble and 2 of the following: 477, 478, 481.
Required for a Bachelor of Music Education-Instrumental: See specific degree plan in the College of Education and Human Development section of this catalog.
Required for a Bachelor of Music Education-Instrumental and Vocal: See specific degree plan in the College of Education and Human Development section of this catalog.
Required for a Bachelor of Music Education-Vocal: See specific degree plan in the College of Education and Human Development section of this catalog.
Required for a music minor: 102, 103, 104, 105, 491, 492, 8 hours of major or minor performance, and 2 hours of major ensemble—Total of 24 semester hours.

To receive credit for performance courses, students are required to practice a minimum of four hours per week for each semester hour of credit carried; must perform before a faculty committee at each final examination period. Students completing their fourth semester in the major performance area must appear before the music faculty for examination purposes.

Courses in performance may be repeated for credit; however, the student must complete the senior year requirements in one major performance area for a degree in music or music education.

Students registered in major performance courses are required to perform in student recitals. Those pursuing a performance concentration must present at least a half-recital during the junior year and a full recital during the senior year.

Students enrolled in a Bachelor of Music Education Degree in instrumental and vocal or instrumental, band, and orchestra are required to pass a competency examination in teaching instrumental music as a prerequisite for student teaching.

Students majoring in music with a concentration in music theory and composition must complete by the end of the junior year a composition for their major instrument, a vocal composition, and a fugue. By the end of the senior year they must complete a movement of a sonata for chamber group and a composition for full orchestra or band. Scores and parts of a selected number of these

¹Minor performance must include 4 hours of piano if piano is not the student's major instrument.

²Students whose major performance medium is other than keyboard must pass Piano Proficiency VI.

³Normally piano. If piano is the student's major instrument, other instruments or voice may be substituted.

⁴Six (6) hours each must be earned in French & German.

compositions must be permanently filed with the department.

Prior to graduation, and preferably during the junior or senior year, each student majoring in Music with a concentration in Music Theatre must successfully perform a significant role in an ULM music theatre production.

All candidates for degrees with a major in music, regardless of the curriculum followed, will be required to pass proficiency examinations in piano and must enroll in piano until the proficiency level appropriate to the major program is passed. The piano sequence 115, 116, 215, 216 must be completed before enrolling in private instruction. Permission for exceptions to this may be granted by the Head of the Division of Music.

All music and music education majors, undergraduate and graduate, must participate in at least one of the major music organizations, band, orchestra, or chorus, on a full time basis, for credit or non-credit, during every semester or summer term enrolled. Participation in a particular organization must be directly appropriate to the student's major performing medium. Membership in the various organizations shall be determined by the director concerned. Qualified non-music majors may participate in these organizations and must be approved by the respective director.

Qualified students may enroll in more than one ensemble per semester. Although ensembles may be repeated indefinitely for credit, the number of required ensemble credits varies among the music and music education degree concentrations. Extra ensemble credits may be used as free electives.

Selection of personnel to be used for performances will be made on the basis of repertory to be performed, ability and qualifications of the individuals, and the requirements of each particular performance.

All music majors are required to attend student recitals and evening recitals sponsored by the department.

Music students who are interested in a career in music therapy should consult the Head of the Division of Music for special course recommendations.

For Undergraduates Only

- 100. RECITAL HOUR. 1 cr. per semester.** The accumulation of knowledge of good music through careful listening to a wide variety of music as presented through public performance. Critiques of each concert or recital will be prepared.
- 101. FUNDAMENTALS OF MUSIC THEORY. 3 cr.** A non-technical course designed to provide the layman with an understanding and utilization of the basic elements of music including sound, melody, harmony, rhythm, and form. (Formerly 170)
- 102. MUSIC THEORY I. 3cr.** Course covers basic fundamentals of music theory including intervals, chordal structures and simple harmonic function. Prerequisite: MUSC 101 or equivalent. (Formerly 171)
- 103. AURAL SKILLS I. 1 cr.** Course covers fundamental elements of melodic, harmonic, and rhythmic dictation and sight-singing. Prerequisite: MUSC 101 or equivalent. (Formerly 171)
- 104. MUSIC THEORY II. 3 cr.** Course covers the use and function of cadences, phrases, non-chord tones and seventh chords. Prerequisite: MUSC 102 or equivalent. (Formerly 172)

- 105. AURAL SKILLS II. 1 cr.** Course covers intermediate melodic dictation, rhythmic dictation and sight-singing. Fundamentals of harmonic dictation are introduced. Prerequisite: MUSC 103 or equivalent. (Formerly 172)

115-116. PIANO CLASS. 1 cr. per semester.

- 117. BEGINNING AND INTERMEDIATE RECORDER CLASS. 1 cr.**
- 120. GUITAR CLASS. 1 cr. per semester.**
- 191. ENJOYMENT. 3 cr.** A non-technical course designed to provide the layman with the understanding necessary for the enjoyment of music of various types, including music of different races and ethnic groups.
- 192. ENJOYMENT OF JAZZ. 3 cr.** Logical musical derivations and developments of American Jazz, both of itself as an art form and its influence on other areas of music. Ethnic influences such as Afro-American Jazz, New Orleans ragtime, and Memphis influences will be explored.
- 193. LITERATURE AND APPRECIATION. 2 cr.** For music majors; open to others by approval of the Head of the Division of Music.
- 194. INTRODUCTION TO ELECTRONIC MUSIC. 2 cr.** Overview of the history and techniques of electro-acoustic music with hands-on laboratory work in the electro-acoustic lab.
- 200. RECITAL HOUR. 1 cr. per semester.** The accumulation of knowledge of good music through careful listening to a wide variety of music as presented through public performance. Critiques of each concert or recital will be prepared.
- 201. BASKETBALL PEP BAND. 1 cr.** Entertainment ensemble for home basketball games. Group travels to conference tournament and postseason games. Prerequisites: Approval of the director. May be repeated for credit. Total hours allowed vary with each degree program. (Formerly MUSC 321)
- 202. MUSIC THEORY III. 3 cr.** Course covers theoretical aspects of secondary chords, modulations and chromatically altered chords in common practice tonal music. Prerequisite: MUSC 104 or equivalent. (Formerly 271)
- 203. AURAL SKILLS III. 1 cr.** Course covers intermediate to advanced melodic and rhythmic dictation and sight-singing and intermediate harmonic dictation. Prerequisite: MUSC 105 or equivalent. (Formerly 271)
- 204. MUSIC THEORY IV. 3 cr.** Course covers theoretical aspects of late 19th and early 20th century tonal music. Overview of 20th century post-tonal techniques provided. Prerequisite: MUSC 202 or equivalent. (Formerly 272)
- 205. AURAL SKILLS IV. 1 cr.** Course covers advanced melodic, rhythmic and harmonic dictation and sight-singing. Prerequisite: MUSC 203 or equivalent. (Formerly 272)
- 206. UNIVERSITY CHORALE. 1 cr. per semester.** Prerequisite: Approval of the director. May be repeated for credit. Total hours allowed vary with each degree program. (Formerly MUSC 330)
- 207. MARCHING BAND. 1 cr. per semester.** Prerequisite: Approval of the director. Must be taken concurrently with MUSC 208). May be repeated for credit. Total hours allowed vary with each degree program. ((Formerly MUSC 324)
- 208. MARCHING BAND CAMP. 1 cr.** Intensive preschool camp for members of the Marching Band. Prerequisite: approval of the head of the Division of Music. Must be taken concurrently with MUSC 207. May be repeated for credit. Total hours allowed vary with each degree program. (Formerly MUSC 325)
- 211. WOODWIND ENSEMBLE. 1 cr. per semester.** Prerequisite: Approval of the Head of the Division of Music. May be repeated for credit. Total hours allowed vary with each degree program.
- 212. BRASS ENSEMBLE. 1 cr. per semester.** Prerequisite: Approval of the Head of the Division of Music. May be repeated for credit. Total hours allowed vary with each degree program.
- 213. PERCUSSION ENSEMBLE. 1 cr. per semester.** Prerequisite: Approval of the director. May be repeated for credit. Total hours allowed vary with each degree program.

- 214. JAZZ ENSEMBLE. 1 cr. per semester.** Prerequisite: Approval of the director. May be repeated for credit. Total hours allowed vary with each degree program.
- 215-216. PIANO CLASS. 1 cr. each.**
- 217. ADVANCED RECORDER CLASS. 1 cr.** Prerequisite: 117 or approval of instructor.
- 220. ADVANCED GUITAR CLASS. 1 cr.**
- 263. PIANO TECHNOLOGY. 3 cr.** An introductory course for students interested in various aspects of piano technology; tuning, regulating, and repairing. Beneficial for those who are preparing for piano teaching, piano selling, or piano servicing.
- 273. ELEMENTARY CONDUCTING. 2 cr.** Fundamentals of conducting vocal and instrumental music organizations.
- 275. ELEMENTARY COMPOSITION. 1 cr.** Composition for beginning students and others requiring additional experience. Maximum of four credits allowed.
- 291. ENGLISH DICTION FOR SINGERS. 1 cr.** A study of specific needs related to singing in English, through a study of the International Phonetic Alphabet.
- 292. ITALIAN DICTION FOR SINGERS. 1 cr.** A study of Italian pronunciation using the International Phonetic Alphabet. Prerequisite: MUSC 291 or permission of the instructor.
- 293. FRENCH DICTION FOR SINGERS. 1 cr.** A study of French pronunciation using the International Phonetic Alphabet. Prerequisite: MUSC 291 or permission of the instructor.
- 294. GERMAN DICTION FOR SINGERS. 1 cr.** A study of German pronunciation using the International Phonetic Alphabet. Prerequisite: MUSC 291 or permission of the instructor.
- 300. RECITAL HOUR. 1 cr. per semester.** The accumulation of knowledge of good music through careful listening to a wide variety of music as presented through public performance. Critiques of each concert or recital will be prepared.
- 311-312. VOICE CLASS. 1 cr. per semester.**
- 313-314. STRING CLASS. 1 cr. per semester.**
- 315-316. WOODWIND CLASS. 1 cr. per semester.**
- 317-318. BRASS CLASS. 1 cr. per semester.**
- 319-320. PERCUSSION CLASS. 1 cr. per semester.**
- 328. CONCERT BAND. 1 cr.** Prerequisite: Approval of the director. May be repeated for credit. Total hours allowed vary with each degree program.
- 331. OPERA CHORUS. 1 cr.** Prerequisite: Approval of the director. May be repeated for credit. Total hours allowed vary with each degree program.
- 332. ELEC-TONES. 1 cr. per semester.** Prerequisite: Approval of the director. May be repeated for credit. Total hours allowed vary with each degree program.
- 337. PIANO PEDAGOGY I. 3 cr.** A course designed to introduce the basic principles and techniques of private piano teaching; survey and evaluation of elementary teaching materials and teaching philosophies.
- 338. PIANO PEDAGOGY II. 3 cr.** A course designed to introduce procedures and materials for group piano instruction with an emphasis on the intermediate level.
- 366. COUNTERPOINT I. 2 cr.** Introduction to counterpoint. Composition of two-voice exercises. Analysis of two, three and four-voice compositions. Prerequisites: MUSC 204 with a grade of "C" or better.
- 373. SONG WRITING. 3 cr.** Song writing investigated through listening, discussion, and practice. A survey of style, form and format, concluding with the production of student-composed songs. Prerequisite: MUSC 101 or approval of instructor.
- 390. HALF RECITAL. 1 cr.** The preparation of a half-recital for public performance including music appropriate for the junior level of applied study or composition.

- 400. RECITAL HOUR. 1 cr. per semester.** The accumulation of knowledge of good music through careful listening to a wide variety of music as presented through public performance. Critiques of each concert or recital will be prepared.
- 460. PRACTICUM IN PIANO PEDAGOGY. 2 cr. Maximum, 4 cr.** Observation and supervised teaching of beginning and intermediate level piano students in both group and private settings.
- 466. COUNTERPOINT II. 2 cr.** Advanced concepts in counterpoint. Introduction to other contrapuntal styles and the study of motets. Prerequisites: MUSC 205 with a grade of "C" or better.
- 471. COMPOSITION. 2 cr.** Composition based on twentieth century techniques and along original lines. Media used are vocal and instrumental solo and ensemble, including at least one composition for the student's major instrument. Prerequisite: Approval of the Head of the Division of Music.
- 487. VOICE PEDAGOGY. 2 cr.** A study of the teaching methods, techniques, and materials for the voice studio. Prerequisite: Music 341 or senior standing. Required of all vocal performance majors.
- 490. FULL RECITAL. 1 cr.** The preparation of a full recital for public performance including music appropriate to the senior level of applied study or composition.
- 491-492. HISTORICAL SURVEY. 3 cr. each.** For music majors; open to others by approval of the Head of the Division of Music. Must be taken in sequence. Prerequisite: MUSC 193.

Performance-Minor Offerings

Courses in this series carry 1 hour of credit each semester and may be repeated for a maximum of 3 hours of credit. These courses are for undergraduates only.

Recorder.....	109, 209
Harpichord.....	110, 210
Voice.....	121, 221
Piano.....	122, 222
Organ.....	123, 223
Violin.....	124, 224
Viola.....	125, 225
Cello.....	126, 226
String Bass.....	127, 227
Flute.....	128, 228
Oboe.....	129, 229
Bassoon.....	130, 230
Clarinet.....	131, 231
Alto Saxophone.....	132, 232
Trumpet.....	133, 233
French Horn.....	134, 234
Trombone.....	135, 235
Euphonium.....	136, 236
Tuba.....	137, 237
Percussion.....	138, 238
Guitar.....	139, 239

Performance-Major Offerings

Courses in this series carry 2 hours of credit and may be repeated for a maximum of 6 semester hours of credit. Prerequisite: Successful completion of the prior course at The University of Louisiana at Monroe and/or an audition.

UNDERGRADUATE COURSES

Recorder.....	119, 219
Harpichord.....	140, 240
Voice.....	141, 241, 341, 441
Piano.....	142, 242, 342, 442
Organ.....	143, 243, 343, 443
Violin.....	144, 244, 344, 444
Viola.....	145, 245, 345, 445
Cello.....	146, 246, 346, 446
String Bass.....	147, 247, 347, 447
Clarinet.....	148, 248, 348, 448
Saxophone.....	149, 249, 349, 449
Flute.....	150, 250, 350, 450
Oboe.....	151, 251, 351, 451

Bassoon	152, 252, 352, 452
Trumpet	153, 253, 353, 453
Tuba	154, 254, 354, 454
French Horn	155, 255, 355, 455
Trombone	156, 256, 356, 456
Euphonium	157, 257, 357, 457
Percussion.....	158, 258, 358, 458
Guitar.....	159, 259, 359, 459

For Undergraduates and Graduates

- 401. OPERA PERFORMANCE AND PRODUCTION. 3 cr.** Musical and dramatic preparation of opera roles, and basic techniques of staging and presentation. Participation in opera performances. May be repeated for credit.
- 402. SPECIAL PROBLEMS. 1-3 cr.** Investigative study of special problems by students with particular needs in music. A. Performance and Ensemble; B. History and Literature; C. Theory and Composition; D. Piano Pedagogy and Literature; E. Vocal Diction, Pedagogy, and Literature; F. Music Theatre. Prerequisite: Approval of the Head of the Division of Music. May be repeated.
- 423. ORCHESTRA. 1 cr. per semester.** Prerequisite: Approval of the director. May be repeated for credit. Total hours allowed vary with each degree program.
- 426. WIND ENSEMBLE. 1 cr. per semester.** Prerequisite: Approval of the director. May be repeated for credit. Total hours allowed vary with each degree program.
- 427. SYMPHONIC BAND. 1 cr.** Prerequisite: Approval of the director. May be repeated for credit. Total hours allowed vary with each degree program.
- 429. CONCERT CHOIR. 1 cr. per semester.** Prerequisite: Approval of the director. May be repeated for credit. Total hours allowed vary with each degree program.
- 433. MADRIGALIANS. 1 cr. per semester.** Prerequisite: Approval of the director. May be repeated for credit. Total hours allowed vary with each degree program.
- 434. CHAMBER MUSIC. 1 cr. per semester.** The study and performance of chamber music for various combinations of instruments. Prerequisite: Approval of the director. May be repeated for credit. Total hours allowed vary with each degree program.
- 435. PIANO ACCOMPANYING. 1 cr. per semester.** Applied studio accompanying in the vocal and instrumental applied areas. Prerequisite: Approval of the instructor. May be repeated for credit. Total hours allowed vary with each degree program.
- 437. PIANO PEDAGOGY III. 3 cr.** A survey of music for the piano from the Baroque and Classical periods suitable for students at the intermediate level.
- 438. PIANO PEDAGOGY IV. 3 cr.** A survey of music for the piano from the Romantic and Contemporary periods suitable for students at the intermediate level.
- 461. KEYBOARD HARMONY AND CREATIVE MUSICIANSHIP FOR THE PIANO TEACHER. 1 cr., 2 cr. maximum.** A functional approach to keyboard skills for piano instructors. A combination of lab and lecture to include harmonization, chord voicing, transposition, modulation, improvisation, sight reading, and score reading. Development of proficiency in these skills, as well as an understanding of how they can be taught at different levels.
- 464. THE BAROQUE ERA. 3 cr.** Music of the Baroque period up to and including Bach. Prerequisite: 492 or approval of the Head of the Division of Music.
- 465. PIANO HISTORY AND LITERATURE. 3 cr.** A survey of pianos and their predecessors, and piano literature from the early English school to the present. Prerequisite: MUSC 193.
- 467. SURVEY OF THE MUSIC INDUSTRY. 3 cr.** An overview of the music industry, including careers, publishing, recording, and merchandising.
- 468. SURVEY OF ENSEMBLE MUSIC FOR THE PIANO. 2 cr.** Survey of piano concert and ensemble music written for one or more pianos. Music for elementary and intermediate level students will be emphasized.
- 469. BAND REPERTOIRE. 3 cr.** Introduction to band composers and their literature. A chronological approach to the available band literature and its composers.
- 470. BAND HISTORY AND LITERATURE. 3 cr.** History of bands, original compositions and transcriptions for band. Prerequisite: MUSC 193. (Formerly 395.)
- 472. COMPOSITION. 3 cr. Maximum, 6 cr.** Compositions in one or more movements for various solo instruments, vocal and instrumental ensembles and full orchestra. Students enrolled will serve as supervised tutors for 170, 171, and 172. Prerequisite: MUSC 471.
- 473. BAND ARRANGING. 3 cr.** Scoring for woodwind, brass and percussion instruments and for full band. Transcribing from piano, organ and orchestral literature. Scoring for the marching band. Prerequisite: MUSC 477.
- 474. FORM AND ANALYSIS. 2 cr.** Intensive study of the larger musical forms. Prerequisite: 372 or approval of the Head of the Division of Music.
- 475. ELECTRONIC MUSIC COMPOSITION. 3 cr.** A "hands-on" course utilizing the electronic music lab and oriented toward skills in composing art music. Prerequisite: Music 194, or approval of the Head of the Division of Music.
- 476. CHORAL CONDUCTING. 2 cr.** Prerequisite: MUSC 273.
- 477. ORCHESTRATION. 2 cr.** Technical and tonal characteristics of orchestral instruments. Arranging for string, woodwind and brass choirs and for full orchestra. Prerequisite: MUSC 204.
- 479. INSTRUMENTAL CONDUCTING. 2 cr.** Prerequisite: 273.
- 480. TWENTIETH CENTURY COUNTERPOINT. 3 cr.** Twentieth century contrapuntal practice culminating with the composition of one or more major polyphonic work.
- 481. ANALYSIS OF CONTEMPORARY MUSIC. 2-3 cr.** An overview of techniques used in the analysis of the music of the 20th century and beyond.
- 482. ORGAN HISTORY AND LITERATURE. 3 cr.** Organs and organ literature from the Gothic era to the present. Prerequisite: MUSC 193.
- 483. WOODWIND LITERATURE. 3 cr.** Solo and chamber music written for woodwind instruments. Prerequisite: MUSC 193.
- 484. BRASS LITERATURE. 3 cr.** Solo and chamber music written for brass instruments. Prerequisite: MUSC 193.
- 485. AMERICAN. 3 cr.** American music from early Colonial times to the present, including music of different races and ethnic groups. Prerequisite: MUSC 491, 492, or approval of the Head of the Division of Music.
- 486. SURVEY OF MUSIC THEATRE. 3 cr.** A survey of the history and literature of the music theatre, 1800 to the present, with emphasis on 20th century works and composers.
- 493. THE ROMANTIC ERA. 3 cr.** Music of the Romantic era and its place in the general culture of the period. Prerequisite: 492 or approval of the Head of the Division of Music.
- 494. CONTEMPORARY. 3 cr.** Music from the period of Impressionism to the present. Prerequisite: MUSC 492 or approval of the Head of the Division of Music.
- 495. ORCHESTRAL LITERATURE. 3 cr.** Orchestral music from the Baroque period to the present. Prerequisite: MUSC 193.
- 496. SONG LITERATURE. 3 cr.** Music for solo voice from the Baroque period to the present with particular attention to the Romantic period. Prerequisite: MUSC 193.
- 497. KEYBOARD LITERATURE. 3 cr.** Music for keyboard instruments from the English virginal school to the present.
- 498. CHORAL LITERATURE. 3 cr.** Choral music from the Renaissance to the present. Prerequisite: MUSC 193.
- 499. THE CLASSIC ERA. 3 cr.** Music of the Classic era and its place in the general culture of the period. Prerequisite: MUSC 492 or approval of the Head of the Division of Music.

MUSIC EDUCATION (MSED)

For Undergraduates Only

- 308. PRACTICUM IN INSTRUMENTAL TECHNIQUE. 1 cr.** A laboratory ensemble of music education students to gain further experience on minor applied instruments—strings, woodwinds, brass, and percussion; also provides opportunity to develop conducting skills. Prerequisite: one credit of minor applied instrument to be played in the ensemble.
- 322. MATERIALS AND METHODS IN VOCAL MUSIC IN THE ELEMENTARY SCHOOL. 3 cr.** Vocal class and rehearsal management, methods, and materials in the elementary school.
- 332. MATERIALS AND METHODS IN VOCAL MUSIC IN THE HIGH SCHOOL. 3 cr.** Vocal class and rehearsal management, methods, and materials in the secondary school.
- 335-336. MUSIC EDUCATION FOR THE ELEMENTARY GRADES. 3 cr. each.**
- 424. METHODS, MATERIALS, & ADMINISTRATION OF INSTRUMENTAL MUSIC. 3 cr.** Methods of organizing and materials available for teaching instrumental music. Emphasis is also placed on classroom and rehearsal management, organization, personnel, scheduling, and equipment.
- 454. MULTICULTURAL MUSIC EDUCATION. 1 cr.** Overview and application of characteristics of music from other cultures. Course explores the role of music in the social life of all cultures.
- 455. STUDENT TEACHING IN VOCAL MUSIC. 6, 9, 12 cr.** Must be admitted to Teacher Education.
- 456. STUDENT TEACHING IN INSTRUMENTAL MUSIC. 6, 9, 12 cr.** Must be admitted to Teacher Education.

For Undergraduates and Graduates

- 401. SPECIAL PROBLEMS. 1-3 cr.**
- 403. INSTRUMENT REPAIR. 3 cr.** Practical methods of maintenance, adjustment, and repairs of musical instruments.
- 405. BAND DIRECTORS WORKSHOP. 3 cr. Maximum, 9 cr.** A “refresher” course for instrumental music education teachers emphasizing the basic concepts of the marching band. New concepts and teaching techniques in marching band will be discussed. Also, related areas such as administration, arranging, new music, charting, auxiliary units, and marching percussion will be covered. Films and video tapes will be used extensively.
- 407. PIANO TEACHERS WORKSHOP. 3 cr. Maximum, 9 cr.** A course for piano teachers, including instructional procedures, methods and materials, and teaching demonstrations.
- 409. CHORAL DIRECTORS WORKSHOP. 3 cr. Maximum, 9 cr.** A course designed for choral directors including vocal techniques, choral literature and interpretation, rehearsal methods, and teaching techniques.
- 411. MUSIC EDUCATION WORKSHOP. 3 cr.** A course designed to instruct teachers and supervisors of elementary music in singing, playing instruments, moving, creating, arranging, and selecting music for A. Basic; B. Intermediate; C. Advanced.
- 417. GENERAL MUSIC PROGRAM IN ELEMENTARY AND SECONDARY SCHOOLS. 3 cr.** Detailed consideration of the general music program, with special attention given to materials and methods of teaching.
- 419. THE MARCHING BAND. 3 cr.** Fundamentals organization, precision drill and pageantry; charting and rehearsal procedures and musical problems.
- 420. DRILL DESIGN TECHNIQUES. 3 cr.** A course designed to provide advanced drill design techniques including music analysis, interpretive writing, horn placement, drill teaching techniques, and element correlation. Prerequisite: MSED 419 or equivalent.
- 490. CHORAL REPERTOIRE. 3 cr.** A survey of the choral octavo literature at the high school through collegiate level; in conjunction with selection of materials and programming.

- 491. INTRODUCTORY WORKSHOP IN ORFF-SCHULWERK. 3 cr.** Basic Orff-Schulwerk techniques, including body movement, soprano recorder, percussion, vocal performance, improvisation, and arranging.
- 492. INTERMEDIATE WORKSHOP IN ORFF-SCHULWERK. 3 cr.** Intermediate level Orff-Schulwerk techniques, including modal harmonization, irregular rhythms, alto recorder performances, and more extensive improvisation and arranging. Prerequisite: MSED 491 or equivalent.
- 493. ADVANCED WORKSHOP IN ORFF-SCHULWERK. 3 cr.** Advanced Orff-Schulwerk techniques including original composition, complex form, movement, and instrumental arrangements, tenor and bass recorder performances, and advanced improvisation. Prerequisite: MSED 492 or equivalent.
- 495. THE USE OF MUSICAL INSTRUMENTS IN GENERAL MUSIC EDUCATION. 3 cr.** A course designed to provide basic playing ability of the following instruments: autoharp, melody bells, recorder, guitar, piano, dulcimer, and the various Orff melodic and percussion instruments. Prerequisite: MSED 322 or 335 or equivalent.
- 496. THE ADVANCED USE OF MUSICAL INSTRUMENTS IN GENERAL MUSIC EDUCATION. 3 cr.** Course designed to improve the students playing proficiency on the following classroom instruments: guitar, recorder, autoharp, melody bells, dulcimer, piano, and the various Orff melodic and percussion instruments. Prerequisite: MSED 495 or equivalent.

NURSING (NURS)

Required for a major: 200 or 202 or 220; 204, 205, 207, 216, 280; 304 and 305 (or 307 and 308), and 306; 332, 334, and 430; 403, 404, and 405; 437, 462 or 472, 463 or 473, 464 or 474, and 465 or 475.

Required for accelerated program: 204, 216, 217, 221, 222, 321, 323, 325, 326, 327, 407, 408, 409, 410, 411, 412, 414, 415, 430, 437

For Undergraduates Only

- 200. NURSING CONCEPTS. 2 cr.** Introduction to nursing concepts, including school philosophy, objectives, and the curriculum framework. The major component of the framework being the nursing process, human needs, levels of health intervention, and objectives. For pre-nursing students only in the semester prior to entering the professional program.
- 202. TRANSITIONS IN NURSING. 2 cr.** An introduction to professional nursing and concepts related to role socialization and transition. Includes clinical/laboratory experience with emphasis on the nursing process, major nursing theories, and trends and issues in nursing. Prerequisites: approval of the Coordinator; for Licensed Practical Nurses only.
- 204. HEALTH ASSESSMENT. 3 cr.** Basic techniques essential to the assessment of health status in the individual across the life span. Prerequisite: Registration or credit in NURS 205, 207 or 202, 216, 280, or current Registered Nurse Licensure.
- 205. HEALTH INTERVENTION I. 4 cr.** Theories and concepts of health intervention and their relationship to the nursing process. Emphasis is on health promotion and health maintenance in the adult with common variations across the life span. Prerequisite: NURS 200, Registration or credit in NURS 207 and 204, 216, and 280.
- 207. NURSING SCIENCE PRACTICUM I. 4 cr.** Opportunity is given to practice basic nursing interventions in a variety of settings. Focus of care is the individual. Prerequisite: NURS 200, Registration or credit in NURS 204, 205, 216, and 280.
- 216. COMPUTING FOR NURSES. 1 cr.** Fundamentals of computer network usage, drug dosage calculations, nursing simulations, and hospital management programs. One hour lecture and two hours laboratory.

- 217. CONCEPTS OF NURSING AND HEALTH CARE. 3 cr.** Introduction to professional nursing, nursing history, theories, therapeutic communication techniques, and health promotion throughout the life span. Prerequisite: Registration or credit in NURS 216.
- 220. PROFESSIONAL NURSING CONCEPTS. 3 cr.** A transitional course to advance the registered nurse's career in the professional role. Prerequisites: Registration or credit in NURS 216; current RN licensure.
- 221. DIMENSIONS OF PROFESSIONAL NURSING I. 6 cr.** Application of nursing process in meeting basic needs of individuals across the life span including clinical experience in a variety of settings. Prerequisites: NURS 216, 217.
- 222. NURSING PHARMACOTHERAPEUTICS I. 1 cr.** Medication dosage and calculation and drug administration. Prerequisite: NURS 216, 217.
- 280. BASIC PRINCIPLES OF PHARMACOLOGY. 3 cr.** An introduction to basic pharmacological principles, therapeutics, classifications, effects, and mechanisms of drug action. Emphasis is placed on the application of knowledge of drugs used in patient care settings by health care professionals. Prerequisites: Biology 114, 115, 116, and 117 or 120. (Formerly PHAR 280)
- 300. NEONATAL HEALTH PROMOTION. 3 cr.** Extensive study of the newborn's adjustment to extrauterine life, including clinical experiences in Level I and II Nurseries. Prerequisites: Completion of NURS 204, 205, 207, 216, or approval of the Director, School of Nursing.
- 304. HEALTH INTERVENTION II. 5 cr.** Nursing interventions for commonly occurring problems in adults. Emphasis is on health maintenance and health restoration as it applies to adults. Prerequisites: NURS 204, 205, 207, 216, 280; registration or credit in NURS 305 or 307, and 306.
- 305. NURSING SCIENCE PRACTICUM II. 6 cr.** Clinical practice utilizing health maintenance and health restoration to individuals who have unmet needs. Clinical experiences will be provided in a variety of agency and community settings. Prerequisites: NURS 204, 205, 207, 216, 280; registration or credit in NURS 304 and 306.
- 306. NURSING SCIENCE SEMINAR. 1 cr.** Seminar course that allows students to compare and contrast nursing roles in the delivery of health care to adults. Prerequisites: NURS 204, 205, 207, 216, 280, registration or credit in NURS 304 and 305 or 307.
- 307. NURSING PRACTICUM II A. 3 cr.** Clinical practice with a focus on health maintenance and restoration for adults. Application of the nursing process in providing interventions to individuals. Prerequisites: NURS 202, 204, 216, 280, credit or registration in NURS 308, credit or registration in NURS 304, and current Practical Nurse Licensure in Louisiana, one year of acute or long-term care experience, and approval of the Coordinator.
- 308. NURSING PRACTICUM II B. 3 cr.** Concepts and applications relative to intermediate care of the adult with a focus on health maintenance and restoration. Prerequisites: NURS 202, 204, 205, 207, 216, 280, credit or registration in NURS 304 and 307, current Practical Nurse Licensure in Louisiana, one year of acute or long-term care experience, and approval of the Coordinator.
- 321. DIMENSIONS OF PROFESSIONAL NURSING II. 7 cr.** Application of the nursing process to chronically ill adults with commonly occurring health problems in a variety of settings. Prerequisites: NURS 204, 216, 217, 221, 222.
- 323. CARE OF CHILDREN. 4 cr.** Application of nursing process in care of healthy and ill children and their families. Prerequisites: NURS 204, 216, 217, 221, 222.
- 325. CHILDBEARING FAMILY. 4 cr.** Application of the nursing process in the care of the childbearing family. Prerequisites: NURS 204, 216, 217, 221, 222.
- 326. NURSING PHARMACOTHERAPEUTICS II. 1 cr.** Application of pharmacological concepts to the nursing care of adults, children and childbearing families. Prerequisites: NURS 204, 216, 217, 221, and 222.
- 327. PATHOPHYSIOLOGY FOR NURSING I. 2 cr.** Pathophysiological foundations of nursing care of adults, children, and child bearing families with chronic illness. Prerequisites: NURS 204, 216, 217, 221, 222.
- 332. CHILDBEARING FAMILY HEALTH. 5 cr.** Application of theoretical and clinical components relative to the health and illness of childbearing families. A progressive score in both the classroom and clinical component is needed for progression. A failure in either component will require that both components (theory and clinical) be repeated. Prerequisites: NURS 304, 305 or 307 and 308, and 306.
- 334. NURSING OF CHILDREN. 5 cr.** Application of theoretical and clinical components in providing care for the child and family in health and illness in individuals and groups. A progressive score in both the classroom and clinical component is needed for progression. A failure in either component will require that both components (theory and clinical) be repeated. Prerequisites: NURS 304, 305 or 307 and 308, and 306.
- 403. ADVANCED NURSING SCIENCE SEMINAR. 1 cr.** Seminar course in which students collaborate in groups to plan, teach, and evaluate their peers on topics that complement Nursing 404 and 405. Prerequisites: NURS 332, 334, Registration or credit in NURS 405.
- 404. MENTAL HEALTH NURSING. 4 cr.** Application of nursing process in classroom and clinical settings related to mental health and illness in individuals and groups. A progressive score in both the classroom and clinical component is needed for progression. A failure in either component will require that both components (theory and clinical) be repeated. Prerequisites: NURS 332, 334.
- 405. ADVANCED ADULT HEALTH NURSING. 7 cr.** Application of nursing process in classroom and clinical settings related to advanced adult health nursing in individuals and families. A progressive score in both the classroom and clinical component is needed for progression. A failure in either component will require that both components (theory and clinical) be repeated. Prerequisites: NURS 332, 334.
- 407. DIMENSIONS OF PROFESSIONAL NURSING III. 7 cr.** Application of the nursing process to acutely ill adults in acute care settings. Prerequisites: NURS 204, 216, 217, 221, 222, 321, 323, 325, 326, 327.
- 408. PSYCHIATRIC/MENTAL HEALTH NURSING. 4 cr.** Application of nursing care related to the mental health of individuals and groups facing coping challenges. Prerequisites: NURS 204, 216, 217, 221, 222, 321, 323, 325, 326, 327.
- 409. NURSING PHARMACOTHERAPEUTICS III. 1 cr.** Application of pharmacotherapeutic concepts to the nursing care of acutely ill individuals in acute care settings. Prerequisites: NURS 204, 216, 217, 221, 222, 321, 323, 325, 326, 327.
- 410. PATHOPHYSIOLOGY FOR NURSING II. 2 cr.** Pathophysiological foundations of nursing care of adults with acute illness. Prerequisites: NURS 204, 216, 217, 221, 222, 321, 323, 325, 326, 327.
- 411. COMMUNITY NURSING I. 2 cr.** Community health nursing foundations and theory. Public health principles. Overview of community health nursing roles. Prerequisites: NURS 204, 216, 217, 221, 222, 321, 323, 325, 326, 327, 407, 408, 409, 410, 430.
- 412. COMMUNITY NURSING II. 3 cr.** Family and aggregate nursing. Communities in crisis. International health issues. Applications in community assessment, planning, implementation and evaluation. Prerequisites: NURS 204, 216, 217, 221, 222, 321, 323, 325, 326, 327, 407, 408, 409, 410, 430. Credit or registration in NURS 411.
- 414. NURSING LEADERSHIP. 4 cr.** Synthesis and application of nursing leadership and management theory to the care of groups in a variety of health care settings. Prerequisites: NURS 204, 216, 217, 221, 222, 321, 323, 325, 326, 327, 407, 408, 409, 410, 430. Credit or registration in NURS 411.
- 415. HEALTH ECONOMICS FOR NURSES. 2 cr.** Contemporary issues of health care economics and their application to the nursing care of individuals, families, and groups across the life span. Prerequisites: NURS 204, 216, 217, 221, 222, 321, 323, 325, 326, 327, 407, 408, 409, 410. Credit or registration in NURS 411.

- 430. **NURSING RESEARCH. 3 cr.** Basic research methods applied to problems in patient care. Prerequisites: NURS 220, 305 or 307, or 321, or approval of instructor.
- 462. **COMMUNITY HEALTH. 3 cr.** Nursing theory for individuals, families, and groups with a focus on community health. Prerequisites: NURS 403, 404, 405; credit or registration in 463.
- 463. **COMMUNITY PRACTICUM. 2 cr.** Application of nursing theory to individuals, families, and groups in the community. Prerequisites: NURS 403, 404, 405; credit or registration in 462.
- 464. **NURSING MANAGEMENT. 2 cr.** Management theory and principles adapted to nursing. A focus on synthesis of nursing health maintenance, restoration and reorganization. Prerequisites: NURS 403, 404, 405; credit or registration in 465.
- 465. **MANAGEMENT PRACTICUM. 4 cr.** Application of management theory to the delivery of health care in a variety of settings. Prerequisites: NURS 403, 404, 405; credit or registration in 464.
- 472. **COMMUNITY CONCEPTS. 3 cr.** Nursing theory with a focus on community health. Prerequisites: NURS 204, 216, 220; 280; current RN licensure; credit or registration in NURS 473.
- 473. **COMMUNITY PRACTICUM RN. 2 cr.** Application of the nursing theory to individuals, families, and groups in the community. Prerequisites: NURS 204, 216, 220, 280; current RN licensure; credit or registration in NURS 472.
- 474. **MANAGEMENT CONCEPTS. 2 cr.** Management theory and principles adapted to nursing for the Registered Nurse. Prerequisites: NURS 204, 216, 220; 280; current RN licensure; credit or registration in NURS 475.
- 475. **MANAGEMENT PRACTICUM RN. 4 cr.** Application of management theory to the delivery of health care in a variety of settings. Prerequisites: NURS 204, 216, 220, 280, credit or registration in NURS 474; current RN licensure.
- 441. **PERIOPERATIVE NURSING THEORY. 3 cr.** Advanced course focusing on the study of aseptic technique and care of patients in the operating room/recovery room. Emphasis is placed on perioperative concepts and principles. Prerequisites: NURS 304, 305 or 307, 306, or Registered Nurse licensure.
- 442. **PERIOPERATIVE NURSING SCIENCE PRACTICUM. 3 cr.** Clinical study designed to apply principles of preoperative, operative, and postoperative nursing skills. Supervised clinical experiences are offered in health care settings that provide surgical procedures. Prerequisites: NURS 304, 305 or 307, 306, or Registered Nurse licensure.
- 443. **ONCOLOGICAL NURSING THROUGH THE LIFE SPAN. 3 cr.** Designed to expand the use of the nursing process with oncology patients. Malignant diseases most frequently occurring throughout the life cycle are studied. Prerequisites: NURS 304, 305 or 307, 306, or Registered Nurse licensure.
- 446. **ETHNIC NURSING CARE. 3 cr.** Emphasis is placed on the impact of ethnicity in relation to health behaviors and nursing care. Prerequisite: Approval of the Director, School of Nursing.
- 448. **WOMEN'S HEALTH ISSUES. 3 cr.** The study of women's health issues and concerns from a psycho-bio-social perspective. Prerequisite: none.
- 450. **CRITICAL CARE NURSING. 3 cr.** The indepth study of critical care aspects of nursing, including support mechanisms. A. Adult; B. Pediatric; C. MICU; D. SICU; E. PICU; F. NICU; H. Burn; I. Psychiatry; J. Dialysis; K. Emergency; L. Substance Abuse. Prerequisite: NURS 404, 405, 403, Registered Nurse license, or permission of the Director, School of Nursing.

OCCUPATIONAL THERAPY (OCCT)

Required for an Associate of Science in Occupational Therapy Assistant: 106, 115, 200, 201, 204, 205, 208, 210, 222, 225, 226, 228, 229, 232, 242, 245, 260, 261 - Total of 39 semester hours.

- For Undergraduates and Graduates**
- 433. **NURSING INTERVENTION IN THE CARE OF THE AGED. 3 cr.** A study of the concepts and principles necessary for nursing intervention in the care of the aged. The focus will be on the seven broad areas in the care of the aged that have nursing implications: Aging and Nursing, The Normal Aging Process, Deviations of the Aging Process: Geropsychiatry; Deviations of the Aging Process: Pathophysiology; The Nursing Process; Social Forces and Aging; Implications for Nursing; Research in Aging.
 - 434. **LABOR AND DELIVERY NURSING. 3 cr.** Nursing theoretical and clinical components related to childbearing families during the intrapartal period. Prerequisites: NURS 332.
 - 435. **HEALTH ASSESSMENT AND HEALTH MAINTENANCE OF THE AGING PATIENT. 3 cr.** A study to impart concepts of the nursing processes as they relate to health assessment and health maintenance of the aging person. Principles of history-taking and physical examination and assessment skills are emphasized as they pertain to the aging patient. The focus is directed toward the assessment of physiological, environmental, sociological, and psychological needs in the aging patient.
 - 437. **PROFESSIONAL ISSUES AND TRENDS. 2 cr.** A synthesis course designed to enhance the student's knowledge of the demands facing professional nurses in current practice settings based on past and present events. Prerequisite: Completion of NURS 323, 325, or 404, 405 or approval of the Director, School of Nursing.
 - 438. **SPECIAL PROBLEMS IN NURSING. 1-3 cr. Maximum, 6 crs.** Investigative study of special problems by students with particular needs in nursing education, practice, and administration. A. Research; B. Practice; C. Administration; D. Education. Prerequisite: Approval of the Director, School of Nursing.
 - 439. **CONTINUED STUDIES IN NURSING. 1-3 cr.** Various topics in nursing for students not pursuing a degree. Grades of CR (Credit) or NC (No Credit) will be awarded. Prerequisite: Approval of the Director, School of Nursing.
 - 106. **PATHOLOGY. 3 cr.** Introduction to physical pathological conditions commonly encountered in the practice of occupational therapy. Prerequisites: Credit in Biology 226; 2.5 overall GPA (uncorrected). OCTA majors only. Su II
 - 115. **PATHOLOGY. 3 cr.** Introduction to mental and developmental conditions commonly encountered in the practice of occupational therapy. Prerequisites: Credit in Psychology 201; 2.5 overall GPA (uncorrected). OCTA majors only. F
 - 200. **SEMINAR: PROFESSIONAL DEVELOPMENT. 1 cr.** Foundations of the professional development of the occupational therapy practitioner, and exploration of personal, individual and societal factors that contribute to the health professional-patient/client relationship. Prerequisite: 2.5 overall GPA (uncorrected). OCTA majors only. Su II
 - 201. **INTRODUCTION TO OCCUPATIONAL THERAPY. 3 cr.** History and development of occupational therapy; introduction to the scope, roles, functions and treatment objectives. Prerequisite: 2.5 overall GPA (uncorrected). OCTA majors only. Su II
 - 204. **PRE-CLINICAL LAB. 1 cr.** Introduction to the role of the Occupational Therapy Assistant in the clinical setting and exploration of the influence of personal perspectives, social systems, and culture on health, wellness, and occupational performance across the life span. Three contact hours of lab per week. Prerequisite: 2.5 overall GPA (uncorrected). OCTA majors only. F
 - 205. **EVALUATION. 3 cr.** Introduction to basic evaluation techniques used in the practice of occupational therapy and the Occupational Therapy Assistant's role in the evaluation process. Prerequisite: 2.5 overall GPA (uncorrected). OCTA majors only. F
 - 208. **GROUP PROCESS. 3 cr.** Basic elements of interactive processes, activity teaching and observation writing. Prerequisite: 2.5 overall GPA (uncorrected). OCTA majors only. Sp

- 210. HEALTH CARE SYSTEMS. 3 cr.** Introduction to the structure and organization of health care delivery systems and basic departmental procedures. Prerequisite: 2.5 overall GPA (uncorrected). OCTA majors only. Sp
- 222. THEORY AND PRACTICE I. 3 cr.** Exploration of general treatment concepts and treatment approaches and techniques for the client with physical dysfunction to be performed by the Occupational Therapy Assistant. Prerequisites: Concurrent registration in OCCT 226; 2.5 overall GPA (uncorrected). OCTA majors only. F
- 225. THEORY AND PRACTICE LAB. 1 cr.** A laboratory course to provide enrichment to didactic coursework through directed observation and participation in selected aspects of the occupational therapy process. Three contact hours of lab per week. Prerequisite: 2.5 overall GPA (uncorrected). OCTA majors only. Sp
- 226. APPLIED LABORATORY. 1 cr.** A laboratory course which explores the application of evaluation and treatment techniques used by the Occupational Therapy Assistant. Three contact hours of laboratory per week. Prerequisite: 2.5 overall GPA (uncorrected). OCTA majors only. F
- 228. PEDIATRIC LABORATORY. 1 cr.** A laboratory course providing an opportunity for manipulation and application of treatment approaches and techniques for the client with developmental dysfunction. Three contact hours of lab per week. Prerequisites: Concurrent registration in OCCT 242; 2.5 overall GPA (uncorrected). OCTA majors only. Sp
- 229. PSYCHOSOCIAL LABORATORY. 1 cr.** A laboratory course providing an opportunity for manipulation and application of treatment approaches and techniques for the client with psychosocial dysfunction. Three contact hours of lab per week. Prerequisites: Concurrent registration in OCCT 232; 2.5 overall GPA (uncorrected). OCTA majors only. Sp
- 232. THEORY AND PRACTICE II - PSYCHOSOCIAL. 2 cr.** Exploration of treatment approaches and techniques for the client with psychosocial dysfunction to be performed by the Occupational Therapy Assistant. Prerequisites: Concurrent registration in OCCT 229; 2.5 overall GPA (uncorrected). OCTA majors only. Sp
- 242. THEORY AND PRACTICE II - DEVELOPMENTAL. 2 cr.** Exploration of treatment approaches and techniques for the client with developmental dysfunction to be performed by the Occupational Therapy Assistant. Prerequisites: Concurrent registration in OCCT 288; 2.5 overall GPA (uncorrected). OCTA majors only. Sp
- 245. THERAPEUTIC MEDIA. 2 cr.** Basic techniques and analysis of therapeutic media to be applied in occupational therapy treatment. Prerequisite: 2.5 overall GPA (uncorrected). OCTA majors only. F
- 260. FIELDWORK PRACTICUM. 3 cr.** An eight-week occupational therapy experience in a ULM-approved setting with clients who have physical, developmental, or psychiatric disorders. Students receive a grade of "CR" or "F". Prerequisites: Approval of the Occupational Therapy Fieldwork Coordinator; 2.5 overall GPA (uncorrected). OCTA majors only.
- 261. FIELD WORK PRACTICUM. 3 cr.** An eight-week occupational therapy experience in a ULM-approved setting with clients who have physical, developmental or psychological disorders. Students receive a grade of "CR" or "F." Prerequisites: Approval of the Occupational Therapy Fieldwork Coordinator; 2.5 overall GPA (uncorrected). OCTA majors only.

PHARMACY (PHAR)

For Undergraduates and Professionals

- 301. STRESS AND THE IMPAIRED PROFESSIONAL. 1 cr.** A discussion of factors associated with inappropriate responses to stress leading to impairment of health professionals such as alcoholism, drug dependence, and occupational burnout with emphasis on preventative strategies.

- 302. MEDICAL ETHICS. 2 cr.** The class will address ethical dilemmas the health professionals face in their professional careers. The students will gain keener insight into the problems associated with health care delivery systems and will be prepared to face the ethical problem that will surface with the adoption of reform. Open to majors in the Health Sciences only.
- 310. HISTORY OF PHARMACY. 2 cr.** An examination of the historical basis of contemporary pharmacy practice.
- 465. PROBLEMS. 1-3 cr. Maximum, 4 cr.** Individual investigations of selected problems in pharmaceutical chemistry, pharmacognosy, pharmacology, pharmacy, and pharmacy administration. Three hours laboratory work per week per credit hour. Prerequisite: For Pharmacy majors only. Approval of department head.

PHARMACY (PHAR)

Doctor of Pharmacy Requirements

Required for a major: 300, 350, 385, 402, 403, 407, 408, 409, 410, 411, 412, 413, 414, 418, 424, 425, 432, 436, 445, 446, 447, 451, 454, 480, 481, 503, 515, 574, 585, 586, 587, 588, 589, 634, 635, 636, 637, 638, 639, 640, and 10 hours of approved pharmacy electives — Total of 150 semester hours.

For Undergraduates, Professionals, and Graduates

- 404. PUBLIC HEALTH SCIENCE. 2 cr.** Development, scope, and methods employed in public health. Principles of biostatistics, epidemiology, environmental sanitation and the study of major health problems are included.
- 406. COMMUNITY HEALTH EDUCATION. 2 cr.** Development of technologies that facilitate changes in health related behavior that affect individuals, organizations, and social or community systems.
- 453. HEALTH CARE SYSTEMS. 2 cr.** The organization of health care services in the United States, with emphasis on historical development, present characteristics, and future trends.

For Professionals Only

- 300. INTRODUCTION TO PHARMACY. 1 cr.** An introduction to the pharmacist in society, modes of pharmacy practice, historical perspectives, fundamentals of professional responsibility. Grading will be on a credit, no credit basis. Students receiving a grade of "no credit" must repeat the course. Prerequisite: First Year Pharmacy Standing.
- 350. PHARMACY ADMINISTRATION. 3 cr.** Principles of management and functions essential to the distribution of goods and services in the pharmaceutical marketplace. Prerequisites: Economics 201; Accounting 110; First Year Pharmacy Standing.
- 385. PATIENT COUNSELING AND COMMUNICATION. 2 cr.** Principles and techniques of communication applicable to pharmacy practice. Prerequisite: Second Year Pharmacy Standing.
- 402. PHARMACEUTICS I. 4 cr.** Fundamentals of measurement and calculation and an introduction to liquid oral dosage forms. Three hours lecture and three hours laboratory per week. Prerequisite: First year pharmacy standing.
- 403. PHARMACEUTICS II. 3 cr.** A study of heterogeneous liquid, semi-solid dosage forms. Transdermal and novel drug delivery systems will be discussed. Prerequisite: 402
- 407. MEDICINAL CHEMISTRY I. 3 cr.** The biochemical basis of drug action. A molecular biology approach with pharmaceutical orientation will be stressed. Special emphasis will be placed on biochemical catalysis (enzyme structure, kinetics, and regulation), metabolism of major food constituents, nutritional parameters affecting bio-chemical processes, hereditary metabolic diseases, and the basic biochemical processes, hereditary metabolic diseases, and the basic biochemical processes associated with biotechnology. Prerequisite: First Year Pharmacy Standing.

- 408. IMMUNOLOGY & BIOTECHNOLOGY. 2 cr.** A discussion of non-specific host defense mechanisms and a detailed description of specific immunity. Products that impart artificial active and passive immunity are presented. The concept of biotechnology is discussed together with the currently available products of genetic engineering that relate to immunology. The various immunologic disorders and the immunology of cancer are also described. Prerequisite: 411.
- 421. HERBAL REMEDIES. 3 cr.** A study of herbal preparations and other phytomedicinals widely used by the general public as self-selected OTC products for therapeutic or preventive purposes. Emphasis is placed on the need, safety, and efficacy of herbal preparations, and the role of the pharmacist in product selection. Prerequisite: 409; credit or registration in 414.
- 424. PHARMACEUTICS IV. 4 cr.** A study of parenterally administered drugs and specialized delivery systems. Three hours lecture and three hours laboratory per week. Prerequisite: 432.
- 425. DRUG INFORMATION RETRIEVAL AND EVALUATION. 3 cr.** Introduction to services and resources used to provide evaluative information and associated professional responsibilities. Prerequisite: First Year Pharmacy Standing.
- 426. AGING AND DRUG USE IN THE ELDERLY. 3 cr.** An examination of normative and pathological aging and their effect on drug use and response in the aged population. Prerequisite: Credit or registration in 414.
- 436. PHARMACOLOGY LABORATORY. 1 cr.** A laboratory course to accompany 412. Three hours laboratory. Prerequisite: 411; credit or registration in 412.
- 440. PROFESSIONAL SERVICE ACCESSORIES. 2 cr.** Selection, indications, uses, warnings, maintenance and storage of prescription and non-prescription accessories, durable medical equipment and related items. Prerequisite: Third Year Pharmacy Standing.
- 445. PROFESSIONAL PRACTICE LABORATORY. 1 cr.** Principles and techniques of dispensing extemporaneously prepared and pre-fabricated products, and relevant aspects of contemporary pharmacy practice. Prerequisites: 432; credit or registration in 454.
- 446. NON-PRESCRIPTION MEDICATIONS AND SELF-CARE. 3 cr.** Selection and use of non-prescription medications for self-treatment of disease or to treat self-limiting disease states. Prerequisite: Credit or registration in 413.
- 447. ETHICS IN PHARMACY PRACTICE. 3 cr.** This course prepares students to distinguish ethical from other kinds of issues in pharmacy, and to identify the options open to a pharmacist faced with an ethical issue.
- 451. PHARMACEUTICAL CARE MANAGEMENT. 3 cr.** The behavioral, ethical, organizational, and pharmacoeconomic determinants of medication use management in the delivery of pharmaceutical care. Prerequisite: First Year Pharmacy Standing.
- 470. HOSPITAL PHARMACY. 2 cr.** The history of hospitals, organization and administration of patient care facilities, distribution of pharmaceuticals to inpatients and outpatients, abilities required of the pharmacist, and the many roles of the pharmacist as a member of the health team. Prerequisites: Second Year Pharmacy Standing.
- 480. INTRODUCTORY COMMUNITY PHARMACY EXPERIENCE. 3 cr.** A one-month introduction to the practice of pharmacy in the community setting. Minimum of 40 hours per week experiential training. Prerequisite: First year pharmacy standing.
- 481. INTRODUCTORY INSTITUTIONAL PHARMACY EXPERIENCE. 3 cr.** A one-month introduction to the practice of pharmacy in the institutional setting. Minimum of 40 hours per week experiential training. Prerequisite: Second year pharmacy standing.
- 493. CASE STUDIES IN PHARMACY ADMINISTRATION. 2 cr.** Case studies in drug marketing, pharmacy law and ethics, professional relations, and managerial accounting. Prerequisite: 451, 454.
- 494. RETAIL PHARMACY MANAGEMENT. 3 cr.** Principles and problems related to the planning, organizing, and controlling of the retail pharmacy. Prerequisite: 451.
- 503. PATIENT ASSESSMENT FOR PHARMACISTS. 2 cr.** Utilization of physical assessment findings to evaluate drug therapy needs and response. Prerequisite: Third Year Pharmacy Standing.
- 504. VETERINARY PHARMACOTHERAPY. 3 Cr.** Pathogenesis, diagnosis, and rational therapeutic approaches to the treatment of selective disease states in companion animals. Prerequisite: 3rd year pharmacy standing.
- 506. PHARMACY LEADERSHIP I. 3cr.** Introduction to leadership styles and skills with application through simulated cases and role play of circumstances in the profession of pharmacy. Prerequisites: Second year pharmacy standing and/or consent of the coordinator.
- 515. CLINICAL PHARMACOKINETICS. 3 cr.** The application of pharmacokinetic principles to the safe and therapeutic management of the individual patient. Prerequisites: 432.
- 516. STERILE PRODUCTS. 3 Cr.** The theory and application of procedures used in the preparation of sterile products for intravenous and other sterile uses. Prerequisites: 2nd or 3rd year pharmacy standing.
- 524. CLINICAL TOXICOLOGY. 2 cr.** Information on the clinical management of poisonings including the assessment of toxic potential, stabilization of vital function, and specific antidotal measures. Prerequisite: Third Year Pharmacy Standing. (Same as TOXI 424)
- 559. PHARMACY-BASED IMMUNIZATION DELIVERY. 3 cr.** An innovative and active training program that provides the skills necessary to become a primary source for vaccine advocacy, education and administration. Prerequisite: 3rd year pharmacy standing.
- 560. DEVELOPING AMBULATORY CARE SERVICES. 3 cr.** Teaches aspects of starting services and managing patient specific pharmacotherapy regimens in the ambulatory care setting. Prerequisite: 3rd year standing.
- 561. WOMEN'S HEALTH AND THE PHARMACIST. 3 cr.** Practical information necessary to provide optimal pharmaceutical care to women in a wide variety of practice settings. Includes both social and therapeutic issues. Emphasis placed on drugs in pregnancy/lactation. Prerequisite: 3rd year pharmacy standing.
- 562. BASIC STRATEGIES FOR SCHOLARLY COMMUNICATION. 3 cr.** The student will be responsible for producing professional level education material. The student will produce an article that will be submitted to a pharmacy journal along with a presentation to faculty over their research. Prerequisite: 3rd year pharmacy standing.
- 563. SELECTED PSYCHIATRIC AND SUBSTANCE ABUSE DISORDER TOPICS. 3 cr.** This course will expand the pharmacy students' exposure to selected topics in behavioral health including pharmacotherapy of selected psychiatric disorders. Prerequisite: 3rd year pharmacy standing.
- 564. PHARMACOGENETICS. 3 Cr.** This course will provide students with basic concepts in pharmacogenetics and the role of inheritance on inter-individual variation in drug response. In addition, the class will provide students with an appreciation of how pharmacogenetic and pharmacogenomic fields impact pharmaceutical care. Prerequisites: Pharmacy 411, 412, and 432.
- 574. PHARMACOTHERAPY FORUM. 3 cr.** Experience in making formal oral and written presentations to peer professionals and assessment of the ability to evaluate and apply the literature. Prerequisite: Third year pharmacy standing. Credit or registration in Pharmacy 588.
- 585. DISEASE PATHOGENESIS AND PHARMACOTHERAPY I. 4 cr.** Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans. Prerequisite: 408, 412, 425; Credit or registration in 410, 413.
- 586. DISEASE PATHOGENESIS AND PHARMACOTHERAPY II. 5 cr.** Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans. Prerequisite: 410, 413, 585; Credit or registration in 414.
- 587. DISEASE PATHOGENESIS AND PHARMACOTHERAPY III. 5 cr.** Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans. Prerequisite: 414, 418, 586.

- 588. DISEASE PATHOGENESIS AND PHARMACOTHERAPY IV. 4 cr.** Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans. Prerequisite: 414, 418, 587.
- 589. RESEARCH METHODS FOR THE PHARMACIST. 2 cr.** Introduction to the design and common statistical analysis of clinical drug trials. Prerequisite: 425; Third Year Pharmacy.
- 634. Advanced Community Pharmacy Practice Experience. 6 cr.** Application of knowledge skills and attitudes necessary to provide pharmaceutical care in the community pharmacy setting. Experiences include patient triage, disease state management, patient education, follow-up and monitoring as well as medication distribution activities. Fourth Year Pharmacy Standing.
- 635. Advanced Institutional Pharmacy Practice Experience. 6 cr.** Application of the knowledge skills and attitudes necessary to provide pharmaceutical care and manage the pharmacy practice in the institutional setting. Fourth Year Pharmacy Standing.
- 636. Advanced Ambulatory Care Pharmacy Practice Experience. 6 cr.** Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in ambulatory care setting. Activities provide exposure to a variety of disease states, and experiences include patient triage, disease state management, and patient education, follow-up and monitoring. Fourth Year Pharmacy Standing.
- 637. Advanced Adult Medicine Pharmacy Practice Experience. 6 cr.** Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in acute care settings. Activities provide exposure to a variety of disease states, allowing students to gain experience gathering and evaluating patient data, making therapeutic decisions and monitoring drug therapy. Fourth Year Pharmacy Standing.
- 638. Advanced Specialty Pharmacy Practice Experience. 6 cr.** Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in specialty setting. Activities provide a focused exposure to specific areas of pharmacy practice and experiences are focused on providing pharmacy care in these areas of practice. Fourth Year Pharmacy Standing.
- 639. Advanced Pharmacy Practice Elective Experience I. 6 cr.** Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in various settings. Activities provide a focused exposure to specific areas of pharmacy practice and experiences are focused on providing pharmacy care in these areas of practice. Fourth Year Pharmacy Standing.
- 640. Advanced Pharmacy Practice Elective Experience II. 6 cr.** Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in various settings. Activities provide a focused exposure to specific areas of pharmacy practice and experiences are focused on providing pharmacy care in these areas of practice. Fourth Year Pharmacy Standing.
- 413. PHARMACOLOGY III. 4 cr.** Continuation of 412 with emphasis on the cardiovascular, renal, and respiratory systems. Prerequisites: 407, 412, 436.
- 414. PHARMACOLOGY IV. 4 cr.** Continuation of 413 with emphasis on the gastrointestinal system, endocrine system, reproductive system, and chemotherapeutic agents. Prerequisites: 413; credit or registration in 418.
- 418. CHEMOTHERAPEUTIC AGENTS. 2 cr.** A study of the chemistry, therapeutic classification, mechanisms of action, toxicity, and spectra of agents currently used in the therapy of infectious and neoplastic diseases. Prerequisites: 408, 412; credit or registration in 409.
- 419. PHARMACOBIOTECH. 3 cr.** A study of the application of biotechnology to pharmaceuticals including drugs, diagnostics, and vaccines. Emphasis is placed on the techniques of biotechnology, recombinant proteins and peptides, monoclonal antibodies, and physicochemical properties, and metabolism of genetically engineered biopharmaceuticals. Prerequisite: 408, 409; credit or registration in 414; or approval of Department Head.
- 423. MEDICAL IMMUNOLOGY. 2 cr.** Cellular and serum immunology. Antibody structure and function. Types of antigen antibody reactions. Immunosuppression, tolerance and enhancement. Systems mediating immunologic injury and inflammation. Immunogenetics. Prerequisites: 408, 412, 436.
- 432. PHARMACEUTICS III. 3 cr.** The interrelationship between formulation factors and pharmacokinetic aspects of drug absorption, distribution, metabolism, and excretion. Prerequisite: 403.
- 454. LAW. 3 cr.** Local, state and federal laws, rules and regulations relating to the practice of Pharmacy. Prerequisite: Second Year Pharmacy.
- 467. PESTICIDES. 2 cr.** Chemicals and drugs which have important application as insecticides, herbicides, fungicides, and rodenticides. Prerequisite: 413.
- 479. NUCLEAR PHARMACY. 2 cr.** Handling and storage of radioisotopes and their application to pharmacy. The official radiopharmaceuticals and non-official radiopharmaceuticals of merit employed in therapy will be considered. Prerequisite: Second year pharmacy.
- 489. INTRODUCTORY TOXICOLOGY. 3 cr.** Survey of the occurrence, properties and harmful effects of natural and man-made toxic substances in personal, occupational and global environments. Prerequisites: Credit or registration in Biology 311, 313, and Chemistry 304.
- 496. PHARMACEUTICAL LEGISLATION. 3 cr.** Historical Development of pharmaceutical law and its effect on the practice of pharmacy. Prerequisite: 454.

For Graduates Only

- 409. MEDICINAL CHEMISTRY II. 3 cr.** A study of organic compounds of pharmaceutical and medicinal importance with emphasis on chemical structure, relationship of chemical structure to drug action, metabolism, usage, incompatibilities, and syntheses. Prerequisite: 407.
- 410. MEDICINAL CHEMISTRY III. 3 cr.** Continuation of 409. Prerequisite: 409.
- 411. PHARMACOLOGY I. 3 cr.** Pharmacological, anatomical, and physiological basis of drug action. Topics include general principles of therapeutics, pharmacodynamics, pharmacokinetics and toxicology, and the action of drugs in the peripheral nervous system. Prerequisite: First Year Pharmacy Standing, Graduate Student Standing in the College of Pharmacy (non-major for non-degree credit only) or by consent of Department Head.
- 412. PHARMACOLOGY II. 3 cr.** Continuation of Pharmacy 411 with emphasis on inflammatory and allergic reactions and the central nervous system. Prerequisites: 411; Credit or registration in 436; or Graduate Student Standing in the College of Pharmacy (non-major for non-degree credit only) or by consent of Department Head.
- 500. MOLECULAR STRUCTURE AND FUNCTION OF PROTEINS. 3 cr.** This course is designed to introduce graduate students to basic concepts and techniques in the study of protein structure and function. Course coverage will include structural determinants, relationship of structure to function, thermodynamics of protein interactions, protein/ligand interactions, kinetics, transition state theory, enzyme mechanisms and protein purification techniques.
- 502. PRODUCT DEVELOPMENT. 4 cr.** Theoretical and practical aspects involved in the formulation of a pharmaceutical; emphasis on research techniques employed in developing an acceptable medicinal product. Two hours lecture and six hours laboratory. Prerequisites: 432.
- 513. PHARMACOKINETICS. 3 cr.** A quantitative treatment of the dynamics of drug absorption, distribution, metabolism, and excretion, including the development of mathematical models for these processes. Application of analog and digital computation will be discussed. Prerequisites: Mathematics 301 or 401, and/or Consent of Department Head.
- 514. ADVANCED BIOPHARMACEUTICS. 3 cr.** An advanced treatment of factors affecting drug availability from dosage forms and the influence of the route of administration and the dosage regimen on drug availability. Prerequisite: 513 or Consent of Department Head.

- 521. ADVANCED PHARMACOLOGY. 3 cr.** Cellular and molecular mechanisms of drug action. Prerequisites: 413, 414 or consent of Department Head.
- 522. ADVANCED PHARMACOLOGY LABORATORY. 3 cr.** Laboratory techniques used to evaluate drug action. Nine hours laboratory. Prerequisite: Credit or registration in 521.
- 523. FORENSIC TOXICOLOGY. 2 cr.** Quantitative and qualitative toxicological analyses. Six hours laboratory. Prerequisite: 489.
- 525. INDUSTRIAL TOXICOLOGY. 2 cr.** Chemical hazards in the workplace; regulatory and medico-legal programs, product safety, worker health protection, chemical-related health risk assessment. Prerequisite: 489.
- 527. NEUROPHARMACOLOGY. 4 cr.** Advanced discussion of the literature and methodology related to the action of drugs in neurological systems. Prerequisites: 413, 414, or Consent of Department Head.
- 529. IMMUNOPHARMACOLOGY. 2 cr.** A study of the interactions between pharmacologic agents; the immune systems and their biological function. Prerequisites: 414, 423.
- 531. SYNTHETIC MEDICINALS. 3 cr.** A study of the methodologies and strategies used in the synthesis of compounds of pharmacological significance. Prerequisites: Chemistry 531, 532 or Consent of Department Head.
- 532. CHEMISTRY OF HETEROCYCLIC COMPOUNDS. 3 cr.** Chemical and physical properties, nomenclature, and synthesis of heterocycles commonly found in compounds of biological and pharmacological importance. Prerequisites: Chemistry 531, 532, or Consent of Department Head.
- 534-535. NATURAL PRODUCTS. 3 cr. each.** Study of natural products used in medicine, pharmacy and allied fields. Emphasis is placed on isolation, purification and synthetic derivatives. One hour lecture and six hours laboratory. Prerequisite: Consent of Department Head.
- 540. BIostatISTICS. 3 cr.** The theoretical and applied techniques of data collection, analysis, and interpretation in pharmaceutical research. Prerequisite: Psychology 439.
- 541. ADVANCED MARKETING OF DRUG PRODUCTS. 4 cr.** Distributive systems and underlying economic principles, functions, policies, and practice as related to marketing drug products.
- 542. ADVANCED RETAIL PHARMACY MANAGEMENT. 4 cr.** Advanced problems related to planning, organizing, and controlling the retail pharmacy.
- 543. BEHAVIORAL SCIENCES IN PHARMACY ADMINISTRATION. 4 cr.** Psychology, sociology, and communications as related to pharmacy management.
- 544. NEW DRUG DEVELOPMENT. 4 cr.** Professional, administrative and legal requirements for discovery, production and distribution of a new drug.
- 545. RESEARCH METHODOLOGY. 3 cr.** Description and application of the scientific method to social and economic research problems peculiar to the health fields.
- 546. RESEARCH DESIGN. 3 cr.** Design and analysis of research problems in the health care field.
- 547. HEALTH CARE ADMINISTRATION. 3 cr.** A description and analysis of the current health care system in the United States, using economic and administrative concepts and principles. Prerequisite: Consent of Department Head.
- 548. HOSPITAL ADMINISTRATION. 3 cr.** The hospital as a complex health care organization, its nature and functions, personnel and staff behavior, and how it is viewed by its client, the patient. Prerequisite: Consent of Department Head.
- 549. HEALTH CARE LAW. 3 cr.** A study of legal issues pertaining to health care topics such as modes and institutions for providing medical care, liability of selected providers and review of applicable laws, rules, and regulations. Prerequisite: Consent of Department Head.
- 550. BIOCHEMICAL TOXICOLOGY. 3 cr.** A detailed coverage of biochemical mechanisms of toxicity. Prerequisite: Credit or registration in Toxicology 412 or equivalent.
- 551. DIRECTED STUDY. 1-3 cr. Maximum, 5 cr.** Applicable to all disciplines.
- 552. SEMINAR. 1 cr.** Current developments in pharmaceutical disciplines. Applicable to all disciplines. Attendance required for every graduate student each semester. Not more than 2 cr. applicable to the M.S. degree or an additional 4 cr. toward the Ph.D. degree, not to exceed 6 cr. for the Ph.D. degree.
- 555. FERMENTATION. 3 cr.** Production of medicinal products by microorganisms. Two hours lecture and three hours laboratory.
- 558. ADVANCED CANCER PHARMACOLOGY. 3 cr.** An advanced course presenting the pathophysiology, clinical features, and pharmacology of cancers as well as the latest advances and developments in cancer therapeutics. Prerequisites: Permission of the instructor.
- 566. ADVANCED MEDICINAL ANALYSIS. 2 cr.** Advanced analytical procedures; use of new techniques and equipment. Prerequisites: Credit or registration in 568 and Consent of Department Head.
- 568. ADVANCED MEDICINAL ANALYSIS LABORATORY. 2 cr.** A laboratory course to accompany 566. Six hours laboratory. Prerequisite: Credit or registration in 566.
- 569. CONCEPTS IN DRUG DESIGN. 3 cr.** A study of traditional and contemporary approaches to drug design and development. Basic concepts important to receptor-ligand interactions will be introduced. Literature examples will be used to illustrate contemporary methods, such as molecular modeling, QSAR, and combinatorial strategies. Prerequisite: 409 or Consent of Instructor.
- 577. PHARMACEUTICAL PREFORMULATION. 3 cr.** Introduce students to the necessary physicochemical parameters, determination of kinetic rate profiles, characterization of physical properties, and compatibility with common excipients of new drug substances.
- 578. SOLID-STATE CHEMISTRY OF DRUGS. 3 cr.** This fundamental course on pharmaceutical solids provides a comprehensive, cutting-edge overview of ideas, issues, language, and methodologies of pharmaceutical solid-state research.
- 579. DOSAGE FORM DESIGN. 3 cr.** Theoretical and practical aspects involved in the design of dosage forms including the development of drug molecules and industrial scale manufacturing.
- 580. TOXICOLOGY RESEARCH. 2 cr.** Student participation in ongoing laboratory research to illustrate experimental design and performance. Prerequisite: Open to students enrolled in the non-thesis option Master of Science program in toxicology (pharmaceutical sciences) only.
- 581. ADVANCED TOXICOLOGY. 3 cr.** Cellular mechanisms of adverse chemical effects in biological systems. Areas of emphasis include principles of pathology, genotoxicity, carcinogenicity, teratogenicity and toxic responses of major organ systems. Prerequisites: 415, 489.
- 582. ADVANCED TOXICOLOGY LABORATORY. 3 cr.** Common laboratory techniques used to evaluate chemical toxicity. One hour lecture, six hours laboratory. Prerequisite: Credit or registration in 581.
- 583. SURFACE AND INTERFACIAL PHENOMENA. 3 cr.** This course deals with the fundamentals of surface and interfacial phenomena encountered by pharmaceutical scientists in the development of dosage forms.
- 584. CHEMICAL KINETICS AND STABILITY OF PHARMACEUTICALS. 3 cr.** This course deals with the fundamentals aspects of chemical kinetics applied to the stability of pharmaceutical raw materials and final dosage forms.
- 590. METHODS AND PRINCIPLES OF TOXICOLOGY. 4 cr. each.** Intended to provide the graduate student with hands-on laboratory experience in methods commonly used in A. Neurotoxicology, B. Aquatic Toxicology, C. Immunotoxicology, D. Hepatotoxicology. Prerequisite for A, B, and D: 550 and Consent of Instructor. Prerequisite for C: 408 or 423.
- 599. THESIS. 3, 6, 9, 12 cr.** Applicable to all disciplines. May be repeated for credit. Grades of CR (Credit) or NC (No Credit) will be awarded.
- 651. ADVANCED DIRECTED STUDY. 1-3 cr. Maximum, 10 cr.** Applicable to all disciplines.
- 699. DISSERTATION. 3, 6, 9, 12 cr.** May be repeated for credit. Grades of CR (Credit) or NC (No Credit) will be awarded. Applicable to all disciplines.

PHILOSOPHY (PHIL)

Required for a minor: 201, 203, and 12 additional hours—Total of 18 semester hours.

For Undergraduates Only

- 201. INTRODUCTION. 3 cr.** The nature of philosophical inquiry and themes in the history of philosophy, including questions which deal with such topics as knowledge and truth, the nature of reality, metaphysics, faith and unbelief, meaning and value, the individual and society, and human nature.
- 203. LOGIC. 3 cr.** The nature and limits of logic, informal critical reasoning, types of arguments, good reasoning and its relationship to truth, the traditional fallacies, and an introduction to formal logic with statement calculus.
- 300. DIRECTED STUDY. 3 cr.** Selected studies in Philosophy and Religion. Content varies. A. A Study of Religion. (Same as Religion 300A.); B. Ethics in America. C. The Examined Life.
- 320-321. RELIGIONS OF THE WORLD. 3 cr. each.** A systematic analysis of the origins, doctrines, and practices of the major world religions. Particular attention will be given to the philosophical foundations of each religion. (Same as Religion 320-321.)
- 410. ENVIRONMENTAL PHILOSOPHY. 3 cr.** Philosophical issues regarding the ethics, aesthetics and economics of the environment along with a meta-critique of the science of the environment.

For Undergraduates and Graduates

- 400. INTERSECTIONS OF SCIENCE AND RELIGION. 3 cr.** This course will cover the issues that have arisen historically and also in the contemporary world in the dialogue of science and religion. Major focus should be given to how these issues and positions have affected our understanding of human nature. Topics that should be covered include: Darwin and Evolutionary Theory, Creationism, Design, the Origin of the Cosmos, the Big Bang, Quantum Theory and Chance, The Free Will, Miracles and Prayer, and Theories of Human Nature in Asian Religions and Christianity.
- 401. ANCIENT AND MEDIEVAL. 3 cr.** Philosophical thought from the Pre-Socratic to the sixteenth century, including Plato and Aristotle, the Epicureans and the Stoics, the Neo-Platonists, and Aquinas; the rise and fall of medieval scholasticism. (Formerly 301.)
- 402. MODERN. 3 cr.** Philosophical thought from the seventeenth century to the present, including rationalism, empiricism, idealism, pragmatism, logical positivism, and existentialism. (Formerly 302.)
- 403. ETHICS. 3 cr.** A study of the theoretical foundations of morality with reference to approaches to ethical thought, character, and action. Concepts include good and evil, right and wrong, obligations and rights, responsibility and freedom and the application of these concepts to the working out of particular ethical problems. (Same as POLS 403.)
- 404. CONTROVERSIAL ISSUES IN BIOETHICS. 3 cr.** The ethical significance of and ethical dilemmas that arise as a result of new cutting-edge biotechnologies. Ethical topics include: reproductive options, abortion, stem-cell research, human cloning, genetic discrimination and confidentiality, genetic engineering, regulation of human research, and euthanasia.
- 405. PHILOSOPHY OF RELIGION. 3 cr.** A study of attempts to bring rational justification and clarification to religious beliefs and practices, focusing primarily on the concepts of Christian theology. Topics will include the existence of nature of God, faith and reason, death and immortality, mysticism, the problem of evil, religious experience, and the impact of existentialism on contemporary religious thought.
- 407. THEORIES OF HUMAN NATURE. 3 cr.** This course will cover the theories of human nature that have arisen historically and also in the contemporary world. Major figures to be covered include Plato, Aristotle, Aquinas, Hobbes, Locke, Hume, Kant, Darwin, Marx, Nietzsche, Freud, Sartre, Maslow, and Contemporary Psychological theories. This course will answer questions like what is the human being?, what are human beings capable of?, what does it mean to

live a fulfilled human life?, what is the purpose of human life?, is the human being basically aggressive or kind?, and how do human beings differ from animals?

- 415. THEORY OF KNOWLEDGE. 3 cr.** A comparative and critical survey of the major theories which deal with the nature and extent of human knowledge and related notions, such as belief, justification, perception, and memory. Classical and contemporary philosophical positions will be covered representing a wide range of theories and their application to other disciplines of human inquiry, such as biology and psychology.
- 491. DIRECTED STUDY. 1-3 cr.** Directed study and/or research in selected areas of philosophy. A. Logic; B. Ethics; C. Ancient, Medieval, and Modern; D. Theory of Knowledge. Prerequisite: Advanced standing, approval of department head, and permission of the instructor.

PHYSICAL SCIENCE (PSCI)

For Undergraduates Only

- 101-102. INTRODUCTORY PHYSICAL SCIENCE. 3 cr. each.** An interdisciplinary approach to physical and chemical laws and principles applied to matter and energy. Cannot be used to satisfy major or minor requirements. Prerequisite for 102: Credit for PSCI 101.
- 103-104. PHYSICAL SCIENCE LABORATORY. 1 cr. each.** A laboratory course in introductory physical science to accompany 101-102. Two hours of laboratory. Prerequisite: Credit or registration in PSCI 101-102.

For Undergraduates and Graduates

- 491. SPECIAL TOPICS. 1-6 cr. Maximum, 6 cr.** Special topics in Physical Science for teachers. A. General Physical Science; B. Energy. Prerequisite: Approval of department head.

PHYSICS (PHYS)

Undergraduate Requirements

Required for a minor: 201, 202, 207, 208, 209, 210, and 12 additional hours of physics, exclusive of 203 and 204—Total of 25 semester hours.

Required for a minor (Secondary Education - Physics): 201-202, 203-204, 207-209, 208-210; plus three hours above 200 level. Total of 19 semester hours. Teacher certification in this minor area requires 30 credit hours or the Praxis content specialty exam.

For Undergraduates Only

- 201. DESCRIPTIVE ASTRONOMY. 3 cr.** The astronomical universe from a non-mathematical viewpoint. Prerequisite: Credit or registration in PHYS 202.
- 202. DESCRIPTIVE ASTRONOMY LABORATORY. 1 cr.** A laboratory course to accompany 201. Two hours of laboratory. Prerequisite: credit or registration in PHYS 201.
- 203. GENERAL. 3 cr.** This is a trigonometry-based physics class involving the principles and laws of kinematics, forces, energy, momentum, linear and rotation motion, and statics. Selected topics may include fluids, vibrations, sound, kinetic theory, and heat. Prerequisite: MATH 112 or 113.
- 204. GENERAL. 3 cr.** This is a trigonometry-based physics class involving the principles and laws of electricity, magnetism. Selected topics may include light, electromagnetic waves, radiation, and modern physics. Prerequisite: PHYS 203.

- 207. MECHANICS, SOUND, AND HEAT. 3 cr.** This is a calculus-based physics class involving the principles and applications of mechanics, sound, and heat. For students who will pursue science and engineering. Prerequisite: Credit or registration in MATH 131. F
- 208. ELECTRICITY, MAGNETISM, AND LIGHT. 3 cr.** This is a calculus-based physics class involving the principles and applications of electricity, magnetism, and light. For students who will pursue science and engineering. Prerequisite: PHYS 207. Sp
- 209. MECHANICS, SOUND, AND HEAT LABORATORY. 1 cr.** Laboratory experiments in mechanics, sound, and heat to accompany 203 or 207. Prerequisite: Credit or registration in PHYS 203 or 207. (Formerly PHYS 205 and 211.)
- 210. ELECTRICITY, MAGNETISM, AND LIGHT LABORATORY. 1 cr.** Laboratory experiments in electricity, magnetism, and light to accompany PHYS 204 or 208. Prerequisite: Credit or registration in 204 or 208. (Formerly PHYS 206 and 212.)
- 220. HISTORY OF SCIENCE. 3 cr.** An introduction to the major influences of scientific thought and discovery on the course of history. Prerequisites: 3 cr. in introductory science.
- 222. MAJORS' INTRODUCTION TO THE PHYSICS LABORATORY. 1 cr.** How to use basic scientific instruments, such as the oscilloscope, and department facilities such as the VAX system (Maple) and the photo darkroom. Permission of the department head. Sp
- 310. DIGITAL ELECTRONICS. 3 cr.** Digital electronics including gates, Boolean algebra, combinational logic, binary number operations, flip-flops, latches, and counters. Prerequisite: PHYS 204 or 208.
- 314. DIGITAL ELECTRONICS LABORATORY. 1 cr.** Digital integrated circuits including logic gates, latches, flip flops, decoders, encoders, analog-to-digital conversions, shift registers, counters, multiplexers, ROM's, RAM's. Three hours of laboratory. Prerequisite: PHYS 310 or approval of department head.
- 315. MECHANICS. 3 cr.** Application of the fundamental laws of mechanics to particles and rigid bodies. Prerequisites: PHYS 204 or 208; MATH 131.
- 317. ELECTRICITY AND MAGNETISM. 3 cr.** The theory of electricity and magnetism. Prerequisites: PHYS 208, MATH 132.
- 322. ELEMENTARY MODERN PHYSICS. 3 cr.** Introduction to relativity, quantum effects, quantum mechanics, condensed matter, physics, nuclear physics, and high energy physics. Prerequisites: PHYS 204 or 208.
- 391. DIRECTED STUDY. 3 cr. each. Maximum, 6 cr.** Investigative and advanced study in A. Theoretical Mechanics, B. Electrical Circuits, C. Modern Physics, D. Fluid Mechanics. Prerequisite: Approval of department head.
- For Undergraduates and Graduates**
- 401. THERMODYNAMICS AND STATISTICAL MECHANICS. 3 cr.** Principles and application of heat transfer and the laws of thermodynamics. Prerequisites: PHYS 208; MATH 232.
- 405. BASIC PHYSICS LABORATORY. 1 cr.** Classical physics experiments in heat and thermodynamics, mechanics, optics, and electricity and magnetism. Three hours of laboratory. Prerequisites: PHYS 315 and 401.
- 406. BASIC PHYSICS LABORATORY. 1 cr.** Modern physics experiments in solid state, atomic and nuclear physics and selected experiments in departmental research areas. Three hours of laboratory. Prerequisites: PHYS 405.
- 409. OPTICS. 3 cr.** Principles and applications of geometrical and physical optics. Prerequisites: PHYS 208 and credit or registration in MATH 232.
- 410. PHYSICS FOR SECONDARY TEACHERS. 3 cr.** Elementary concepts of physics applicable to junior and senior high school science courses. Not applicable toward B.S. or M.S. degree in physics. Prerequisite: Approval of department head.
- 412. MATHEMATICAL PHYSICS. 3 cr.** Methods of formulation and solution of problems involving force fields as encountered in physical mechanics and electromagnetic theory. Prerequisite: PHYS 208; MATH 232.
- 415. MECHANICS. 3 cr.** Language and Hamiltonian formulations, vibrational systems, and advanced general methods. Prerequisites: PHYS 315; MATH 132.
- 417. ELECTRICITY AND MAGNETISM. 3 cr.** A theoretical treatment of electricity and magnetism. Prerequisites: PHYS 317 and credit or registration in MATH 232.
- 421. RESEARCH. 1-3 cr.** Research problems that emphasize current progress in physics. Three hours of laboratory work per week per credit hour. Prerequisite: Approval of department head.
- 424. ANALOG ELECTRONICS. 3 cr.** Discrete electronic components and circuits using them including resistors, capacitors, diodes, transistors, and operational amplifiers. Prerequisite: PHYS 208 and MATH 132.
- 426. ANALOG ELECTRONICS LABORATORY. 1 cr.** Basic measurement techniques, filters, power supplies, diodes, transistors, and operational amplifiers. Three hours of laboratory. Prerequisite: Registration or credit in PHYS 424.
- 433. QUANTUM MECHANICS. 3 cr.** The development of introductory quantum theory from a phenomenological point of view with applications to atomic physics and chemistry. Prerequisite: Approval of department head.
- 491. DIRECTED STUDY. 1-6 cr. Maximum, 6 cr. for undergraduates; Maximum, 3 cr. for graduates.** Investigative and advanced study in: A. Advanced Mechanics, B. Electromagnetic Fields, C. Heat and Thermodynamics, D. Quantum Mechanics, E. Fluid Mechanics. Prerequisite: Approval of department head.

POLITICAL SCIENCE (POLS) (FORMERLY GOVERNMENT-GOVM)

Required for a major: 101, 201, 202, 470, 471, 440 or 453, 413 or 414, and 499. The remaining 9 hours may be taken in the areas of the student's choice. Total of 33 semester hours

Required for a minor: 101, 201, and 12 additional hours—Total of 18 semester hours.

All students electing to major in Political Science must also satisfy the requirements for an academic minor.

For Undergraduates Only

- 101. INTRODUCTION TO POLITICAL SCIENCE. 3 cr.** Development of the state; nature and problems of government in relation to the individual; emphasis upon the development of various forms of government.
- 200. DIRECTED STUDY—3 cr.** Selected studies in political science. Content varies. A. American Government (Same as POLS 201.)
- 201. AMERICAN NATIONAL. 3 cr.** Consideration of the nature of democracy, civil rights, federalism, the political process, the legislative, executive, and judicial branches, and current problems.
- 202. STATE AND LOCAL. 3 cr.** An intensive study of state and local government, structural components, political process, and basic problems. Special emphasis on Louisiana government.
- 404. GLOBAL ENVIRONMENTAL POLITICS. 3 cr.** Global Environmental Politics analyzes transnational environmental issues, such as climate change, species and habitat loss, water and air pollution, and waste management, from a cross-cultural, multi-disciplined approach with an emphasis on policy development and implementation issues. Prerequisite: POLS 201.
- 464. INTERNSHIP IN POLITICAL SCIENCES. 3 cr.** Field experience under the general supervision of a faculty member and the direct supervision of a professional in the field with academic components including a final paper and presentation. Prerequisite: POLS 201 (Same as SOCL 464)

- 470. SOCIAL RESEARCH. 3 cr.** The formulation of a research problem; ethics of research; development of research design; sampling procedures; collecting and processing of research data. Prerequisite: POLS 101. (Same as SOCL 450)
- 471. SOCIAL STATISTICS. 3 cr.** Statistical procedures appropriate to the measurement and analysis of social data. Prerequisite: POLS 101 (Same as SOCL 451)
- 499. SENIOR SEMINAR. 3 cr.** A capstone course for the Political Science major. A small, group interdisciplinary approach to relevant issues in Political Science research, writing and presentation. Prerequisite: Junior standing.

For Undergraduates and Graduates

- 403. ETHICS. 3 cr.** A study of the theoretical foundations of morality with reference to approaches to ethical thought, character, and action. Concepts include good and evil, right and wrong, obligation and rights, responsibility and freedom. The application of these concepts to the working out of particular ethical problems. (Same as PHIL 403.)
- 406. POLITICAL PARTIES, CAMPAIGNS AND ELECTIONS. 3 cr.** Political parties, Campaigns and Elections focuses on three closely related topics and phenomena: parties, campaigns and elections in the American context. We will be seeking to understand their parallel, and in some sense, symbiotic development and relationships. We will study the history of party politics in the United States, focusing on change and development in relationship to the dynamic American Republic. Prerequisite: POLS 201.
- 407. WESTERN POLITICAL THEORY. 3 cr.** A study of political theory beginning with Plato and the ancient Greeks and continuing through the Middle Ages, Reformation, and Enlightenment to Marx, Mills and the modern age. The central questions of political thought are explored e.g., what is the good?; what is justice?; how is political authority acquired?; where does sovereignty reside?; and how do we incur obligations? Prerequisite: POLS 201.
- 413. CONSTITUTIONAL LAW: GOVERNMENTAL POWERS. 3 cr.** A study of the U.S. Constitution through analysis of decisions of the Supreme Court. The cases demonstrate the nature of judicial function, the nature of the federal system, and the scope and character of the process of the national government. Prerequisite: POLS 201 or approval of department head and permission of the instructor.
- 414. CONSTITUTIONAL LAW: CIVIL RIGHTS. 3 cr.** A study of the U.S. Constitution through analysis of decisions of the Supreme Court. The cases demonstrate the scope and character of the limitations on governmental powers concerning civil rights such as speech, press, religions, and rights against discrimination. Prerequisite: POLS 201 or approval of department head and permission of the instructor.
- 417. PUBLIC ADMINISTRATION AND ADMINISTRATIVE LAW. 3 cr.** Structure and processes of public administration, practices and processes of public administration, practices in personnel, organization and development of administrative law. Prerequisite: POLS 201. (Formerly 309.)
- 418. CONSTITUTIONAL LAW AND CRIMINAL JUSTICE. 3 cr.** Study of constitutional law and its applicability in the criminal justice system. Prerequisite: 201. (Same as CJUS 418) (Formerly GOVM/CJUS 421.)
- 420. LOUISIANA GOVERNMENT AND POLITICS. 3 cr.** Development and organization of political processes in Louisiana; contemporary problems of Louisiana state and local governments. (Formerly 302.)
- 421. AMERICAN POLITICAL THEORY. 3 cr.** This course focuses on the origin and development of American political thought. Topics include Locke and liberalism, Puritanism and republicanism, Paine and the revolutionary impulse, Founders and Anti-Federalists, Jefferson's agricultural republic, Tocqueville's social America, Jacksonian democracy, Lincoln and Calhoun, populists, progressives and pragmatists, New Dealers and social engineers. Prerequisite: POLS 201.
- 423. AMERICAN URBAN POLITICS. 3 cr.** An analysis of the structure and functions of contemporary city governments with considerable attention devoted to basic problems. Special emphasis on local government in Louisiana. (Formerly 307.)
- 429. WOMEN AND POLITICS. 3 cr.** An examination of the role that women have played in the development of the U.S. political system, including historical analysis of the barriers to women's participation and the impact of politically active women on contemporary issues.
- 433. THE JUDICIAL PROCESS. 3 cr.** Structure, functions, and operations of the judiciary. Prerequisite: 201. (Formerly 312.)
- 440. COMPARATIVE. 3 cr.** The structure, theory, organization, and methods of control in the governments of the major European powers; recent political trends. Prerequisite: 201. (Formerly 305.)
- 441. COMPARATIVE GOVERNMENT AND POLITICS IN LATIN AMERICA. 3 cr.** A comparative survey of governmental institutions and political processes which characterized the Latin American republics from the colonial period to the present. (Formerly 306.)
- 450. AMERICAN FOREIGN POLICY. 3 cr.** Major foreign policies, objectives, and commitments of the United States; their political, economic, and military implications. Policy decisions currently confronting the United States in various areas of the world. (Formerly 317.)
- 453. INTERNATIONAL POLITICS. 3 cr.** The nation-state system, power politics, processes affecting international relations; sources of tension in international politics and possibilities of their peaceful resolution. (Formerly 315.)
- 454. CONGRESS AND THE PRESIDENCY. 3 cr.** A course focused on two of the three major institutional components of American politics. Main topics include the history of the Congress and Presidency (i.e., the two institution's structural, behavioral and institutional adaptation to a changing America), the internal and external dynamics of public policy production (i.e., how demands arising in the electorate and elsewhere are conveyed to and/or produced within the Congress and the translation of these demands into specific laws and policies), and, the complex interaction between the Congress and the Presidency as different and separate institutions sharing power. Prerequisite: POLS 201.
- 457. CONTEMPORARY POLITICAL THOUGHT. 3 cr.** Political thought of the twentieth century; liberalism, modern totalitarianism, conservatism, Freudianism, existentialism, and democracy.
- 461. INTERNATIONAL POLITICAL ECONOMY. 3 cr.** A course focused on the intersection of politics and economies in relations among actors in the international environment. Main topics include: international trade strategies; the political strategies of transnational firms; assessment of international organization; the role of the United States in the contemporary global economy. Prerequisite: POLS 201.
- 463. COMPARATIVE POLITICS OF RACE AND ETHNICITY. 3 cr.** International comparative analysis of how political processes both shape and are shaped by racial and ethnic differences, both within and among nation-states. Prerequisite: POLS 201.
- 465. GLOBAL DEVELOPMENT. 3 cr.** Cross-cultural exploration of the processes of economic and political development in different regions and countries of the world, including discussion of globalization and its character and effects in geographical and political settings. Prerequisite: POLS 201.
- 491. DIRECTED STUDY. 1-3 cr.** Directed study and/or research in selected areas of government. A. National, State, and Local; B. Public Administration and Law; C. Political Theory; D. International Relations; E. Comparative; F. Political Processes. Prerequisite: Advanced standing, approval of department head, and permission of the instructor.

PORTUGUESE (PORT)

For Undergraduates Only

- 101-102. ELEMENTARY. 3 cr. each.** An introduction to the basic grammatical structures of Portuguese, with the aim of developing an elementary ability to understand, speak, read, and write the language. Language laboratory required.

PSYCHOLOGY (PSYC)

Undergraduate Requirements

Required for a major: 201, 203 or 278, 303, 339, 400, 407, 411, 439, 499, and 5 courses selected from the following 11 alternatives: 315, 316, 319, 325, 401, 402, 403, 404, 406, 450 and 451 — Total of 42 semester hours.

Required for a minor: 201, 315 or 316, and 12 additional hours, at least 9 hours of which must be numbered 300 or higher — Total of 18 semester hours.

For Undergraduates Only

- 200A. DISCOVERING PSYCHOLOGY—3 cr.** An introductory survey of the field of psychology. Students with prior credit in Psychology 201 are not eligible to receive credit in Psychology 200A.
- 200B. INTRODUCTION TO BEHAVIOR DISORDERS—3 cr.** A survey of common behavior disorders, their etiology and treatment. Students with prior credit in Psychology 401 are not eligible to receive credit in Psychology 200B.
- 201. INTRODUCTION. 3 cr.** Principles of psychology as a science, characteristics of human behavior and cognitions and a survey of major topic areas including motivation, learning, emotions, and social and biological factors. F, Sp, Su
- 203. CHILD PSYCHOLOGY. 3 cr.** Physical, cognitive, psychological, and social development of children up to adolescence. Focus on normal development with attention to deviations from normality. Principles and applications with implications for families and professionals. Prerequisite: PSYC 201. F, Sp, Su
- 205. ADOLESCENT PSYCHOLOGY. 3 cr.** Physical, cognitive, psychological, and social development of the adolescent. Focus on normal development with attention to deviations from normality. Prerequisite: PSYC 201. F, Sp, Su
- 278. DEVELOPMENTAL PSYCHOLOGY. 3 cr.** Human life-span developmental psychology emphasizing an integrative conceptualization of the totality of ontogenetic, behavioral and physiological changes. Prerequisite: PSYC 201. F, Sp, Su
- 301. EDUCATIONAL PSYCHOLOGY. 3 cr.** Application of psychological methods and facts as applied to the teaching of individuals of varying development levels and cultural backgrounds. Secondary and K-12 teacher education majors will complete twenty hours of observation at selected school sites. Prerequisite: PSYC 201. F, Sp, Su
- 303. PHYSIOLOGICAL. 3 cr.** Physiological correlates of behavior with special emphasis on the physiology and anatomy of the nervous system as a basis for relating behavior to its physiological components. Prerequisites: PSYC 201; BIOL 226 or equivalent. F
- 315. EXPERIMENTAL. 3 cr.** Principles of learning and related principles of motivation and memory, with emphasis on scientific method and experimental findings. Prerequisite: PSYC 201. F, Sp
- 316. EXPERIMENTAL. 3 cr.** Human sensory processes and perception, with emphasis on scientific method and experimental findings. Prerequisite: PSYC 201. F, Sp
- 317. LEARNING LABORATORY. 1 cr.** A laboratory to accompany PSYC 315. Three hours laboratory.
- 318. PERCEPTION LABORATORY. 1 cr.** A laboratory to accompany PSYC 316. Three hours laboratory.
- 319. COMPARATIVE PSYCHOLOGY. 3 cr.** The concepts of species-typical behavior and ontogenetic development as illustrated in organisms at various phyletic levels and the application of these ideas to the study of human behavior. Prerequisites: PSYC 201. F, Sp
- 325. HUMAN LEARNING AND COGNITION. 3 cr.** Principles of knowledge acquisition and usage in humans. Emphasis on the structure, processes, and models of memory, attention, information processing, and the neural basis of cognition. F, Sp

- 339. INTRODUCTION TO RESEARCH METHODS. 3 cr.** An introduction into the basics of scientific research methods with emphasis on the applications of research to psychological and educational topics. Prerequisite: PSYC 201. F, Sp, Su
- 400. PSYCHOLOGY LABORATORY. 3 cr.** This course provides research examples designed to give students practice in data management and analysis, as well as report writing using APA format. Prerequisites: Junior or senior status with at least 18 hours credit in the psychology curriculum.
- 404. CLINICAL PSYCHOLOGY AND CLINICAL RESEARCH. 3 cr.** This seminar is designed for junior and senior psychology majors to explore areas of clinical psychology in detail, with a special emphasis on the research that supports the many sub-domains of clinical psychology.
- 498. UNDERGRADUATE PSYCHOLOGY INTERNSHIP. 3 cr.** This field course addresses the psychology major's need for practical experience in psychology. Internships provide a sturdy foundation for further study and/or future employment in the field of psychology. Prerequisites: Junior or senior status (with 22 or more hours credit in the psychology curriculum) and approval from the department head.
- 499. ADVANCED GENERAL PSYCHOLOGY. 3 cr.** The capstone experience for psychology majors, integrating and expanding upon knowledge gained from specialty courses. Prerequisite: 30 hours in Psychology.

For Undergraduates and Graduates

- 401. ABNORMAL. 3 cr.** Nature of mental and emotional disorders with their underlying determinants. Prerequisite: PSYC 201. F, Sp, Sum
- 402. SOCIAL PSYCHOLOGY. 3 cr.** Psychological factors and influences in social behavior; the individual in social situations; the influence on social environment in behavior and development. (Same as SOCL 402.) Prerequisites: PSYC 201, SOCL 101. F
- 403. EXCEPTIONAL CHILDREN AND YOUTH. 3 cr.** Legal definitions and clinical classifications of children and youth who vary from normal (mentally, physically, or emotionally). Emphasis on etiology, identification, and educational service provision in multi-cultural settings. Prerequisite: PSYC 201, 203. (Formerly The Exceptional Child.) Su
- 405. MENTAL RETARDATION. 3 cr.** Recognition, diagnosis, and etiology of mental retardation. Emphasis on psychological theories, procedures, and application. Prerequisites: PSYC 201, 203. (Formerly The Mentally Retarded Child.) F, Su
- 406. PERSONALITY. 3 cr.** Development, dynamics, and processes in the structure of personality. Prerequisite: PSYC 201. Students with prior credit in PSYC 427 are not eligible to receive credit in PSYC 406. F, Sp, Sum
- 407. HISTORY AND SYSTEMS. 3 cr.** The evolution of modern psychology from its historical origins in philosophy and the natural sciences to contemporary systems and theory. Prerequisites: PSYC 201 and six hours of psychology above 300. F, Sp, Su
- 410. HEALTH PSYCHOLOGY. 3 cr.** Behavioral factors in physical illness and maintenance of health; including an examination of research issues, behavioral techniques in treatment, intervention and preventative medicine strategies. Prerequisites: PSYC 201, BIOL 226. Sp
- 411. ADVANCED TOPICS. 3 cr.** A study of theoretical issues in experimental and applied areas of psychology. Prerequisite: 12 hours of psychology. F, Sp, Su
- 415. INDUSTRIAL. 3 cr.** Application of psychological principles and techniques to problems of industry, with emphasis on employee selection and placement, merit rating, accident reduction, training, measurements, and improvement of morale. Prerequisite: PSYC 201.
- 425. PSYCHOLOGY OF ADULTHOOD AND AGING. 3 cr.** Study of physical, intellectual, personality, social and emotional development during the middle and older years of the life span. Su
- 427. THEORIES OF PERSONALITY. 3 cr.** Survey of the dominant personality theories. Prerequisite: nine hours of psychology. F, Sp

- 439. STATISTICS. 3 cr.** Statistical techniques needed in the study, interpretation, and preparation of educational and psychological research. F, Sp, Su
- 441. PSYCHOLOGY OF CHILD ABUSE. 3 cr.** Identification, treatment, and prevention of child abuse and neglect. F, Sp, Su
- 450. EVOLUTIONARY PSYCHOLOGY. 3 cr.** Evolutionary origins of behavior are integrated into a framework of ontogeny and physiology, delineating a modern adaptationist approach to psychology. Prerequisites: PSYC 201, BIOL 226 or equivalent.
- 451. PSYCHOLOGICAL TESTING AND MEASUREMENT. 3 cr.** The theory and rationale underlying the definition and measurement of human traits, abilities, and behaviors. Prerequisite: PSYC 439 recommended. Sp

QUANTITATIVE METHODS (QMDS)

For Undergraduates Only

- 210. STATISTICS AND QUALITY CONTROL. 3 cr.** Hypothesis testing; simple and multiple regression and correlation; forecasting; quality control techniques, chi square and analysis of variance; introduction to non-parametric statistics. Emphasizes statistical analysis using software packages. Prerequisite: MATH 116 and CSCI 170. F, Sp, Su

For Undergraduates and Graduates

- 411. OPERATIONS RESEARCH. 3 cr.** Operations research techniques including linear programming, dynamic programming, game theory, queuing theory, Monte Carlo method and simulation with emphasis on applications to manufacturing, marketing, and financial management problems. Prerequisite: QMDS 210.

RADIOLOGIC TECHNOLOGY (RADT)

Required for a major: 101, 204, 303, 309, 313, 314, 315, 320, 321, 322, 323, 324, 325, 327, 328, 403, 405, 409, 410, 413, 419, 420, 424, 425, 428, 432—Total of 67 semester hours.

- 101. INTRODUCTION. 1 cr.** An introduction to radiologic technology including historical aspects, orientation to the program and curriculum objectives. F, Sp
- 204. CLINICAL RADIOGRAPHY ORIENTATION. 2 cr.** Analysis of the health care delivery system including professional development, responsibilities, and principles of clinical radiography. Prerequisite: RADT 101. Sp
- 303. RADIOGRAPHIC PROCESSING TECHNIC. 2 cr.** The fundamentals of processing technics: chemistry, equipment, and methods of automatic processing. Prerequisite: RADT 204. F
- 309. METHODS OF PATIENT CARE. 3 cr.** General patient care, principles of body mechanics, and specific nursing procedures related to radiologic technology. Prerequisite: RADT 204. F
- 313. RADIOGRAPHIC PROCEDURES. 2 cr.** The principles and skills involved in routine radiographic positioning to demonstrate the extremities and associated girdles. Prerequisites: RADT 204; BIOL 114, 115, 116, 117, and 214 or 228; registration in RADT 314. F
- 314. RADIOGRAPHIC PROCEDURES LABORATORY. 1 cr.** A laboratory course to accompany 313. Prerequisite: Registration in RADT 313. F
- 315. CLINICAL RADIOGRAPHY. 4 cr.** Sixteen hours per week of supervised clinical experience in an approved medical center. Prerequisites: Credit or registration in RADT 204, 303, 309, 313, 314. F
- 320. RADIOGRAPHIC EXPOSURE. 2 cr.** Radiographic exposure principles: prime factors, factors influencing radiographic quality, beam restricting devices and attenuating devices. Prerequisite: RADT 303. Sp

- 321. RADIOGRAPHIC EXPOSURE LABORATORY. 1 cr.** A laboratory course to accompany 320. Prerequisite: Registration in RADT 320. Sp
- 322. RADIOGRAPHIC PROCEDURES. 2 cr.** The principles and skills involved in routine radiographic positioning to demonstrate the vertebral column, skull, thoracic cavity, abdominal cavity and glands. Prerequisite: RADT 313, 314. Sp
- 323. RADIOGRAPHIC PROCEDURES LABORATORY. 1 cr.** A laboratory course to accompany 322. Prerequisite: Registration in RADT 322. Sp
- 324. CLINICAL RADIOGRAPHY. 4 cr.** Sixteen hours per week of supervised clinical experience in an approved medical center. Prerequisites: Credit or registration in RADT 315, 320, 321, 322, 323, 325. Sp
- 325. RADIOLOGIC SCIENCE PROBLEMS. 1-4 cr.** An introduction to emerging advancements and research in Radiologic Sciences. Prerequisite: Approval of Program Director or, credit or registration in RADT 303, 309, 313 and 314. F, Sp
- 327. CLINICAL RADIOGRAPHY. 4 cr.** Thirty-five hours per week of supervised clinical experience in an approved medical center. Prerequisite: RADT 324. S
- 328. CLINICAL RADIOGRAPHY. 4 cr.** Thirty-five hours per week of supervised clinical experience in an approved medical center. Prerequisite: RADT 327. S
- 403. RADIOGRAPHIC EXPOSURE. 2 cr.** Advanced theories of radiographic exposure including problem solving and the practical application of technic principles. Methods of generator and x-ray equipment quality assurance. Prerequisite: RADT 320, 321. F
- 405. RADIOBIOLOGY. 2 cr.** Fundamentals of radiation biology with special emphasis on clinical aspects, including dosage, common pathologies, and protective measures. Prerequisite: RADT 325. Sp
- 409. ADVANCED RADIOGRAPHIC PROCEDURES. 2 cr.** Advanced principles and skills involved in special views of all body systems. Introduction to cross-sectional anatomy as applied to US, CT, and MRI. Prerequisite: RADT 322, 323. F
- 410. ADVANCED PROCEDURES LABORATORY. 1 cr.** A laboratory course to accompany 409. Prerequisite: Registration in RADT 409. F
- 413. ADVANCED CLINICAL RADIOGRAPHY. 6 cr.** Twenty-one hours per week of supervised clinical experience in an approved medical center. Prerequisites: Credit or registration in RADT 328, 403, 405, 409, 410, 419. F
- 419-420. PATHOLOGY. 2 cr. each.** A general survey of medical and surgical diseases related to diagnostic radiography. Prerequisite: BIOL 114, 115, 116, 117, and 214 or 228. F, Sp
- 424. DIAGNOSTIC IMAGING. 3 cr.** The fundamentals of various imaging modalities including image intensification, recording media, ultrasound, computerized transaxial tomography, digital radiography and MRI. Prerequisites: Credit or registration in RADT 325 and 403. F
- 425. RADIOLOGIC OPERATIONS. 2 cr.** Principles and problems in administrative functions, supervision of radiology departments, personnel guidance, productivity and budget. Prerequisite: Senior standing. Sp
- 428. SPECIAL RADIOGRAPHIC PROCEDURES. 3 cr.** Principles and skills involved in special procedures using contrast media and supplementary radiographic procedures. Procedure practice in a clinical situation with direct and indirect supervision. Prerequisite: RADT 409, 410. Sp
- 432. ADVANCED CLINICAL RADIOGRAPHY. 6 cr.** Twenty-one hours per week of supervised clinical experience in an approved medical center. Prerequisites: Credit or registration in RADT 413, 420, 424, 428. Sp
- 450. RADIOLOGICAL SEMINAR. 2 cr.** Presentation of oral and written reports on current topics in the Radiological Sciences. Students are required to prepare appropriate visual aids to illustrate their discussion. Prerequisite: Approval of the Program Director. May be repeated for a maximum of 4 hours. Sp

455. **DIRECTED STUDY. 3 cr.** Individual investigation of selected problems in the Radiological Sciences. Content varies: A. Diagnostic Radiology, B. Therapeutic Radiology, C. Nuclear Medicine, D. Ultrasonography, E. Quality Assurance, F. Computers in Radiology, I. Computerized Tomography (CT), J. Magnetic Resonance Imaging, K. Vascular and Interventional Radiography, L. Mammography, M. Supervision and Education. Prerequisite: Approval of the Department Head. F, Sp, S

READING (READ)

For Undergraduates Only

101. **READING ENHANCEMENT. 3 cr.** Development of enhanced reading skills in vocabulary, comprehension, and speed. May be repeated for a maximum of 6 credits.
321. **READING IN THE PRIMARY GRADES. 3 cr.** Materials and methods for beginning reading instruction. Must be admitted to Teacher Education. F, Sp
322. **READING IN THE INTERMEDIATE GRADES. 3 cr.** Materials and methods for developing and strengthening reading skills in children beyond the primary grades. Must be admitted to Teacher Education. F, Sp

For Undergraduates and Graduates

418. **TEACHING READING IN THE CONTENT AREAS. 3 cr.** A study of the methods, materials, and practices which contribute to making an effective application of reading skills in the subject matter areas. A. For Secondary Teachers; B. For Elementary Teachers. Prerequisite: Approval of instructor.
419. **SURVEY OF READING. 3 cr.** Basic course in teaching reading; introduction to methods and materials; and a survey of contemporary problems. Prerequisite: Approval of instructor.
420. **TEACHING READING TO ADULTS. 3 cr.** Procedures and materials currently in use for teaching reading to adults.
481. **CONTINUING STUDIES IN READING. 1-3 cr.** Various topics in reading. May be repeated. Credit may not be applied toward a degree. Grade of CR (Credit) or NC (No credit) will be awarded.

RELIGION (RELG)

Required for a minor: 18 semester hours which must include English 421 or Sociology 406, and may include Philosophy 405 as a course option.

207. **INTRODUCTION TO THE BIBLE: OLD TESTAMENT. 3 cr.** The history, literature, teachings, and philosophical concepts of the Old Testament as they relate to the development of religious and ethical ideas of contemporary thought; selected readings and passages from the books of history, law, the prophets, and other writings.
208. **INTRODUCTION TO THE BIBLE: NEW TESTAMENT. 3 cr.** The history, literature, teachings, and philosophical concepts of the New Testament as they relate to the development of religious and ethical ideas of contemporary thought; emphasis upon the Gospel accounts of the life and teachings of Jesus, the development and spread of Christianity as reflected in the writings of Paul and others.
300. **DIRECTED STUDY. 3 cr.** Selected studies in Philosophy and Religion. Content varies. A. A Study of Religion. (Same as Philosophy 300A.)
309. **ISLAM. 3 cr.** Survey of Islamic history from the inception in 7th century Arabia to the present day. Special emphasis on the religious principles and the institutions of the civilizations to which it gave rise. Attention is given to those factors that continue to make Islam an important force in the world today. (Same as HIST 309.)

312. **JUDAISM: ITS DEVELOPMENT AND FUNCTION. 3 cr.** Introduction to Jewish history, thought, and practice. Jewish contributions to religion and culture. Emphasis on its role in the contemporary social, political and religious scene.
316. **AMERICAN RELIGIOUS HISTORY. 3 cr.** A study of the relation between religion and the development of American government and history, including attention to religious freedoms, expressions, and influences.
- 320-321. **RELIGIONS OF THE WORLD. 3 cr. each.** A systematic analysis of the origins, doctrines, and practices of the major world religions. Particular attention will be given to the philosophical foundations of each religion. (Same as PHIL 320-321.)
334. **OLD TESTAMENT: THE RELIGION OF THE POETS AND THE PROPHETS. 3 cr.** A representative study of the poetic and prophetic books of the Old Testament in the historical and cultural setting in which they appeared. Prerequisite: RELG 207.
340. **LIFE AND TEACHINGS OF JESUS OF NAZARETH. 3 cr.** A study of the biblical accounts of the life and teachings of Jesus in their historical and cultural context. Prerequisite: RELG 208.
344. **LIFE AND LETTERS OF PAUL. 3 cr.** Emphasis on the universally recognized Pauline literature with a focus on the theological innovations of Paul and his missionary penetration of the Greco-Roman world. Prerequisite: RELG 208.
360. **OLD TESTAMENT: THE DEVELOPMENT AND MEANING OF THE LAW. 3 cr.** Intensive study of legal material in Pentateuch, with attention to ancient Hebrew ideas on God and humanity, society and morality. Comparison to earlier Near Eastern law codes. Later legal development in New Testament and early rabbinic sources. Prerequisite: RELG 207.
361. **THE CHRISTIAN CHURCH: ITS ORIGINS AND ORGANIZATION. 3 cr.** A study of the biblical and historical development of the Christian Church with emphasis on its impact on the Near East and Europe. Attention is also given to the various structures and organizations of the modern Church.
362. **CHRISTIAN THEOLOGY. 3 cr.** An introduction to the biblical, historical, philosophical, and systematic aspects of Christian theology with emphasis on the current trends of theology as related to Universalism, Existentialism, and Liberation Theology.

SCIENCE (SCIE)

For Undergraduates Only

101. **INTEGRATED PHYSICAL SCIENCE I (INTEGRATED PHYSICS). 3 cr.** Basic concepts and principles of physics, in particular, force and motion, energy, light, heat, electricity and magnetism. Personal applications of science, process skills, problem-solving, and discovery/inquiry learning are also emphasized. Integrated lecture/lab format. For Elementary Education Majors only. F, Sp
102. **INTEGRATED PHYSICAL SCIENCE II (INTEGRATED CHEMISTRY). 3 cr.** Fundamental concepts of chemistry with an emphasis on the interdisciplinary nature of the concepts introduced. Integrated lecture/lab format. For Elementary Education Majors only. F, Sp
103. **INTEGRATED BIOLOGICAL SCIENCES. 3 cr.** A course for non-science majors designed to focus on basic concepts and principles of the biological sciences. Emphasis is on the history and methods of biological science, basic chemistry and physiology of living systems, ecological principles and related environmental issues, and biodiversity. Prerequisites: SCIE 101 and 102. For Elementary Education Majors only.
104. **INTEGRATED GEOSCIENCES. 3 cr.** The goal of this course is to present an integrated approach to essential concepts in introductory geology (physical and historical geology), astronomy (from an earth science perspective), and weather and to emphasize the personal application of science, the process skills, problem-solving, and discovery/inquiry learning. Prerequisites: SCIE 101 and 102. For Elementary Education Majors only.

SOCIAL SCIENCE (SSCI)

Undergraduate Requirements

Required for a major in Secondary Education - Social Studies: Economics 201, 202; Geography 101, 102, 301; Geography 411 or History 439; Political Science 201, 202; History 111-112 (formerly 101-102), 201, 202, 305; Sociology 101, 203; Political Science 413 or History 408; Political Science 414 or History 450. Total of 51 semester hours.

Required for a minor in Secondary Education - Social Studies: Geography 101, Political 201, History 111-112 (formerly 101-102), 201, 202, 305. Total of 21 semester hours. Teacher certification in this minor area requires 30 credit hours or the Praxis content specialty exam.

SOCIAL WORK (SOCW)

This undergraduate Social Work program is accredited by the Council on Social Work Education (CSWE). The primary objective of the major is to prepare students for beginning professional social work practice.

Required for a major: Social Work 101, 102, 205, 301, 303, 305, 315, 405, 416, 421, 422, 6 hours of Social Work electives and Sociology 450 and a grade of "C" or higher in all courses required for a major—Total of 47 semester hours. A grade of "C" or above must be achieved in prerequisite courses prior to enrollment in higher level courses.

Students may choose to complete a minor as part of their free electives.

For Undergraduates Only

- 101. INTRODUCTION TO SOCIAL WORK. 3 cr.** The historical development of the social work profession to the present. The knowledge, values, and skills required for the profession are identified. The role of social workers in various fields of social work practice is described.
- 102. SOCIAL WELFARE AS AN INSTITUTION. 3 cr.** The structure and function of public and private agencies that have been developed to help meet human needs. This course will integrate society's values with program services provided to prevent or alleviate social problems experienced by individuals, groups and communities.
- 205. HUMAN BEHAVIOR AND SOCIAL ENVIRONMENT I. 3 cr.** An introduction to basic principles and fundamental concepts necessary for acquiring and organizing knowledge about human behavior and the social environment. Concentration on the stages of individual development from birth to old age is emphasized. Prerequisites: SOCW 101 and 102.
- 301. INTERVIEWING AND THE HELPING RELATIONSHIP. 3 cr.** Develops theoretical knowledge and practical skills in interviewing, and recording by studying concepts, principles, and techniques in the classroom and by applying them in role-play interview situations. Students are required to volunteer 30 clock hours in an agency approved by the classroom instructor. Prerequisites: SOCW 101, 102, and 205 and Social Work major.
- 303. SOCIAL POLICY AND SOCIAL WORK. 3 cr.** Learning to identify and analyze the processes of social policy decision-making in the social, political, and economic arenas. Examines societal values and ideologies which relate to the development of social policies and programs. Students are required to volunteer 30 clock hours in an agency approved by the classroom instructor. (Formerly 203.) Prerequisites: SOCW 101, 102 and Social Work major.
- 305. HUMAN BEHAVIOR AND SOCIAL ENVIRONMENT II. 3 cr.** An introduction to knowledge, theories, and concepts about human behavior from the perspective of small groups, organizations, and communities. Prerequisite: SOCW 205 and Social Work major; for non-majors, junior level standing and approval of social work department head.
- 315. PRACTICE I. 3 cr.** The development of skills necessary for generalist social work practice with individuals, families, and small groups. Utilization of a systems approach to problem solving and an introduction to strategy selection are covered. Prerequisites: SOCW 205 and 301 and Social Work major.
- 404. SOCIAL AND EMOTIONAL ASPECTS OF DISABILITIES. 3 cr.** The course examines physical and developmental disabilities from four basic perspectives using an interdisciplinary ecological approach: (1) physical and medical aspects of disabilities; (2) psychosocial and emotional aspects of disabilities; (3) micro and macro-level intervention approaches and (4) advocacy, policy-making, and legislative efforts by and on behalf of people with disabilities at the local, state, and national levels.
- 416. PRACTICE II. 3 cr.** Generalist social work theory and its application at the macro level of practice. This course will focus on the application of social work skills of assessment and problem-solving at the organizational and community level. To be taken concurrently with Social Work 421 and 422.
- 421. FIELD EDUCATION IN SOCIAL WORK. 8 cr.** Supervised practice in an approved social work agency for four full days weekly. Fall or Spring enrollment. Application must be made in the first month of the semester prior to enrolling in Field Work. Prerequisites: Completed all 100 and 200 level courses, earned a grade of C or higher in all courses required for a major, and earned a GPA of 2.3 in all courses required for the degree. During enrollment in Field Education, the student will enroll in Social Work 416 and 422. No more than one additional course may be taken during this semester. (For a total of 17 hours.)
- 422. FIELD EDUCATION SEMINAR. 3 cr.** To be taken by all students enrolled in SOCW 421, FIELD EDUCATION IN SOCIAL WORK. The course content is integrated with the field practicum experience. This is a capstone course addressing materials covered in all social work foundation areas from the perspective of a generalist social work practitioner. Emphasis is on value and ethics, diversity, research, social and economic justice, and populations-at-risk. The formal evaluation of social work students is conducted via an exit exam and an assessment of written and oral communication skills.
- 435. DIRECTED STUDY. 1-3 cr.** Guided readings in selected areas directed by instructor on an individual basis. May not be taken for more than three credits. Prerequisite: Junior standing and prior approval by supervising professor.
- 495. DIRECTED RESEARCH IN SOCIAL WORK. 1-3 cr.** The application of basic research methods in studying specialized problems. Prerequisites: SOCL 450 and approval of supervising professor.

For Undergraduates and Graduates

- 401. THE CHILD AND THE COMMUNITY. 3 cr.** Examines the common and particular needs of children in the community, social welfare services and resources developed by communities for the care and training of children.
- 403. FAMILY VIOLENCE AND SOCIAL WORK PRACTICE. 3 cr.** Identifies the four major kinds of violence with families; assesses the dynamics and complex issues associated with family violence and their implications for the social worker; looks at current local, state, and national efforts to resolve the problem. Emphasis is on an overview of treatment and prevention programs for victims and perpetrators of domestic violence.
- 405. DIFFERENTIAL DIAGNOSIS. 3 cr.** An organized introduction to and synopsis of the criteria for the individual diagnoses in the DSM-IV as it relates to the functionality of human behavior in the context of diverse social systems. Prerequisites: PSYC 201 and 401.

- 406. **CHILD ABUSE AND NEGLECT. 2 cr.** Defines the abused and neglected child and family and examines the dynamics associated with dysfunctional families. (May not receive credit for 406 and 408.)
- 408. **CHILD ABUSE RECOGNITION AND TREATMENT. 3 cr. each.** Defines the abused and neglected child; examines the dynamics associated with dysfunctional families and multi-level treatment approaches for the abused child and abusive parents. (Formerly 406 and 407; may receive credit for only one of the following: 406, 408, or PSYC 441.)
- 410. **HUMAN SERVICES IN A RURAL ENVIRONMENT. 3 cr.** An examination of human services in a rural environment, the social and cultural factors affecting the delivery system, and the skills and resources needed by the helping professional to be more effective in working with the rural individual, family, group, and community.
- 411. **SOCIAL WORK PRACTICE WITH THE ELDERLY. 3 cr.** An introduction to the social, economic, and psychological dimensions of aging using a person-in-environment approach. (Same as GERO 411.)

SOCIOLOGY (SOCL)

Required for a major: Sociology 101, 436, 450, 451; and 24 additional hours in Sociology—Total of 36 semester hours.

Required for a minor: 101, 450, and 12 additional hours in Sociology—Total of 18 semester hours.

Students may choose to complete a minor as part of their free electives.

For Undergraduates Only

- 101. **INTRODUCTION. 3 cr.** A survey of the basic concepts of sociology and techniques of sociological research; factors and principles influencing the social life of man. (Same as SOCL 102 and 300C.)
- 102. **INTRODUCTION: AN INTERNATIONAL PERSPECTIVE. 3 cr.** A survey of the basic concepts of sociology and techniques of sociological research; factors and principles influencing the social life of man. This course examines these factors from an international perspective. (Same as SOCL 101 and 300C.)
- 203. **SOCIAL PROBLEMS. 3 cr.** Individual, family, and community disorganization. Attention is given to social planning, reconstruction, and problems of minorities.
- 207. **CULTURAL ANTHROPOLOGY. 3 cr.** A comparative study of the life and organization of human groups throughout the world, with an emphasis on traditional societies. (Formerly ANTS and SOCL 307, SOCL 300E, and GEOS 400B.)
- 226. **PERSPECTIVES ON AGING. 3 cr.** An orientation from practitioners in the community and from an academic interdisciplinary perspective to programs, services, issues, and problems in working with older persons. (Same as GERO 226, formerly SOCL and GERO 426.)
- 233. **FORENSICS. 3 cr.** An overview of techniques applied in identification of human skeletal remains for the medicolegal professions, including assessment of age, sex, ancestry, trauma, and disease; occupational stress markers; procedures for search/recovery of human remains; and estimations of time since death. (Same as CJUS and ANTS 233).
- 305. **POPULAR CULTURE. 3 cr.** An indepth examination of the forms of popular culture - activities that occupy our leisure time - proliferation of these forms, and popular culture's impact on socialization, life-styles, and social change.
- 310. **SOCIOLOGY IN FILM. 3 cr.** An examination of sociological concepts and themes in American and foreign popular and educational films. A \$5 fee will be assessed to cover partial cost of film rental.
- 325. **CONTEMPORARY SOCIAL MOVEMENTS. 3 cr.** An examination of current social movements with an analysis of social and cultural background, forms of expression and organization, and their role and function in modern society.
- 408. **ENVIRONMENTAL SOCIOLOGY. 3cr.** An analytical and critical survey of current policy and dominant trends in environmental/sociological thought. Topics include preservationism, conservationism, deep ecology, NIMBYism, environmental justice, ecofeminism, and environmental risks and hazards. Prerequisite: Sociology 101.
- 416. **DIRECTED STUDY. 1-3 cr.** Guided reading and/or research in a special area of sociology. Prerequisite: Twelve hours of sociology, a grade point of 3.00 in sociology courses and prior approval of supervising instructor.
- 418. **RESEARCH PRACTICUM IN SOCIOLOGY. 3 cr.** The application of basic methods and concepts in sociology to a specific topic of interest to the student. Prerequisite: SOCL 450.
- 436. **SEMINAR IN THE DEVELOPMENT OF SOCIOLOGY. 3 cr.** The study of social thought that influenced sociological ideas and concepts. Recent trends and influences in modern sociology will be discussed.
- 464. **INTERNSHIP IN SOCIOLOGY. 3-6 cr.** Field experience under the general supervision of a faculty member and the direct supervision of a professional in the field, with academic components including a final paper and presentation. Prerequisite: Sociology 203. (Same as POLS 464)
- 499. **SENIOR SEMINAR. 3 cr.** A capstone course for the sociology major. A small-group interdisciplinary approach to relevant issues in sociology research, writing and presentation. Prerequisites: Junior standing.

For Undergraduates and Graduates

- 402. **SOCIAL PSYCHOLOGY. 3 cr.** Significant effects of group membership on individual behavior; the basic importance of language and the socialization process; social change and mass behavior. Pre-requisites: Non-social work majors only. (Same as Psychology 402)
- 404. **MEDICAL SOCIOLOGY. 3 cr.** An analysis of human adaptation to illness, the sick role, social organization of medical institutions, and the sociology of death.
- 405. **THEORIES OF CRIME AND DELINQUENCY. 3 cr.** An analysis of the extent of crime and delinquency; impact of crime and delinquency on society; physical, social, and psychological causation of crime and delinquency; and current issues in criminology. (Same as CJUS 405.)
- 406. **RELIGION AND SOCIETY. 3 cr.** A study of structure and functions of religion and its effect on society, culture, and personality, a comparative analysis of religion; and an examination of religion in American based on sociological research. (Formerly Sociology of Religion.)
- 407. **POPULATION AND SOCIETY. 3 cr.** Problems of the quantity and quality of the population, including composition, differential fertility, population pressure, internal migration, regional and class differentials, and trends. (Formerly Demography.)
- 412. **MINORITY GROUPS. 3 cr.** An analysis of the structure, culture, and social processes of ethnic, racial, social and religious groups in America. (May be offered in non-traditional modes.)
- 415. **JUVENILE DELINQUENCY AND JUSTICE. 3 cr.** The nature, extent, and causes of juvenile delinquency; factors in its treatment and prevention, including community and agency programs; and analysis of the legal system as it applies to juveniles. (Same as CJUS 415.)
- 419. **THE FAMILY. 3 cr.** The past and present role of the family as the primary social group in our culture; problems facing the modern family in a changing social world. (Same as SOCL 300D.)
- 422. **ANTHROPOLOGY OF LATIN AMERICA. 3 cr.** Description of indigenous social organizations prior to conquest. Survey of community ethnographic studies of African, Amerind, Asiatic and European cultures in contemporary rural and urban Latin America. Prerequisite: SOCL 307 or approval of department head. (Same as ANTG 422.)

- 424. WOMEN AND AGING. 3 cr.** Examines the life experiences of women as they age. Emphasis is on sociological influences on perceptions of aging among women and on aging women's roles in society. (Same as GERO 424.)
- 425. SEMINAR IN DEATH AND DYING. 3 cr.** Exploration of the social organization of dying, including a view on cross-cultural perspectives on death, treatment of the dying patient, and the grief process. (Same as GERO 425)
- 430. BELIEF SYSTEMS. 3 cr.** The relationship between pre-literate belief systems and social structure; myths of creation, life cycle crisis, rites of passage, purity and pollution, witchcraft and supernatural illness. (Same as ANTG 430)
- 435. ANTHROPOLOGY OF SEX ROLES. 3 cr.** An analysis of different values that define appropriate masculine and feminine behavior (sex roles) in a variety of cultures. Explores the impact of social institutions on teaching and enforcing sex roles in traditional and modern societies. (Same as ANTG 435)
- 442. FIELD STUDIES OF FOREIGN AREAS. 3 cr.** Extended field study tours of major foreign areas of the world. A. Western Europe; B. Northern Europe; C. South Pacific. Topics may not be repeated.
- 443. SOCIOLOGY OF SPORTS, RECREATION, AND LEISURE. 3 cr.** The structure and functions of sports and recreation in fulfilling leisure pursuits in American society.
- 444. FIELD STUDIES OF FOREIGN AREAS. 3 cr.** Extended thematic field study outside the United States with guest lectures, tours, and assigned readings. A. Far East; B. Middle East; C. Latin America; D. Europe; E. England. Topics may not be repeated for credit.
- 447. REGIONAL UNITED STATES FIELD STUDIES. 3 cr.** Extended thematic field study within the United States with guest lectures, tours, and assigned readings. A. North, B. South, C. East, D. West. Individual topics may not be repeated for credit.
- 450. SOCIAL RESEARCH. 3 cr.** The formulation of a research problem; ethics of research; development of research design; sampling procedures; collecting and processing of research data. Prerequisite: SOCL 101. (Same as POLS 470)
- 451. SOCIAL STATISTICS. 3 cr.** Statistical procedures appropriate to the measurement and analysis of social data. Prerequisite: SOCL 101. (Same as POLS 471)
- 452. QUALITATIVE RESEARCH. 3 cr.** An examination of different types of qualitative research, techniques of data collection, analysis, and presentation, and ethical issues; exploration of the strengths and limitations of this type of interpretative work. (Same as GERO 452) (Formerly SOCL 495F)
- 455. SOCIOLOGY OF BALANCED LIVING. 3 cr.** The study of factors influencing the socialization process, dynamics of relationships, and life satisfaction. Focus is on making choices and meeting challenges based on understanding of the interaction process and life skills training.
- 490. PERSPECTIVES ON SEXUALITY. 3 cr.** Human sexuality is considered from biological, psychological and sociological perspectives. A broad overview of reproductive anatomy, contraception, gender roles, sexual practices, and social values acquaints students with significant aspects of sexuality. (Formerly SOCL 495E).

SPANISH (SPAN)

Required for a major—Total of 30 semester hours beyond 101-102, including 231, 311, and 3 hours to be chosen from 312, 313, or 314.

Required for a minor: Total of 18 semester hours.

Required for a major (Spanish Education): See specific degree plan in the College of Education and Human Development section of this catalog.

Required for a minor (Spanish Education): Total of 21 semester hours which must include 231, 311, and 312. Teacher certification in this minor area requires 30 credit hours or the Praxis content specialty exam.

Global Studies Concentration: 33 hours. Required courses: ECON 201, 202, 313; ACCT 110, MKTG 301, 401. Electives: 21 hours taken from selected courses in Management, CINS, Foreign Languages, Finance, Business, Sociology, Government, and Mass Communications. See department head for complete program listings.

Spanish courses marked with an asterisk (*) may not be taken for credit by native speakers of Spanish without the department head's approval.

For Undergraduates Only

- *101. ELEMENTARY. 3 cr.** An introduction to the basic grammatical structures of Spanish with the objectives of developing an elementary ability to speak, understand, read, and write the language.
- *102. ELEMENTARY. 3 cr.** A continuation of the study of Spanish on the elementary level. Prerequisite: A "C" or better in SPAN 101 or permission of the department head.
- 103. STUDY ABROAD. 3-6 cr.** Application of language skills in a foreign language environment. Students will be involved in a total immersion living situation and will receive a minimum of fifteen clock hours per week in formal language instruction. May be repeated with permission of department head.
- 104. SPANISH FOR PROFESSIONS. 3 cr.** An introduction to the vocabulary, terminology, and structures for developing basic Spanish skills for professions. Prerequisite: SPAN 102 or equivalent. (May not be used as part of a major or minor in Spanish.)
- *105. ELEMENTARY. 6 cr.** Same as Spanish 101 and 102.
- 197, 198, 199. BEGINNING SPANISH. 1 cr. each.** Independent reading, grammar, and/or conversation on the elementary level. Prerequisite: SPAN 102 or 105.
- 201-202. INTERMEDIATE. 3 cr. each.** A continuation on the intermediate level of study begun in 101-102 with an emphasis on the grammar, reading, and conversation. Work in the computerized Language Learning Center is required. Prerequisite: SPAN 102 or 105.
- 205. INTERMEDIATE. 6 cr.** Same as Spanish 201 and 202.
- 210. COMMERCIAL SPANISH. 3 cr.** Readings, discussions and translations of business materials in Spanish with continued emphasis on reading, writing, speaking, listening and translation skills. Prerequisite SPAN 202 or 205.
- 231. GRAMMAR AND COMPOSITION. 3 cr.** A review and drill of the elements of Spanish grammar and syntax with special emphasis on developing the ability to organize and to write correctly and fluently in Spanish. Prerequisite: SPAN 202 or 205.
- 301. SURVEY OF SPANISH AMERICAN LITERATURE. 3 cr.** An introduction to the outstanding writers of Spanish America from pre-Colombian to modern times. Prerequisite: SPAN 202, 205 or permission of department head.
- 307-308. SURVEY OF SPANISH LITERATURE. 3 cr. each.** Selection from the outstanding authors of Spain. Prerequisite: SPAN 202 or 205.
- 311. PHONETICS. 3 cr.** An introduction to the Spanish phonetic system with emphasis on pronunciation practice in the language learning facility. Prerequisite: SPAN 102 or the equivalent.
- 312. CULTURE AND CIVILIZATION OF MEXICO. 3 cr.** Advanced studies in the history and culture of Mexico with continued emphasis on understanding, speaking, reading, and writing. Prerequisite: SPAN 202 or 205.
- 313. CULTURE AND CIVILIZATION OF SPAIN. 3 cr.** Advanced studies in the history and culture of Spain with continued emphasis on understanding, speaking, reading, and writing. Prerequisite: SPAN 202 or 205.

- 314. CULTURE AND CIVILIZATION OF LATIN AMERICA. 3 cr.** Advanced studies in the history and culture of Latin America with continued emphasis on understanding, speaking, reading, and writing. Prerequisite: SPAN 202 or 205.
- 321, 322, 323. INDEPENDENT READING. 1 cr. each.** Directed reading and discussion of excerpts from Hispanic literature with continued emphasis on understanding, speaking, reading, and writing Spanish. Prerequisite: SPAN 202 or 205.

For Undergraduates and Graduates

- 402. SEMINAR IN SPANISH LITERATURE. 3 cr. Maximum, 6 cr.** In-depth study and analysis of a specific Spanish-language literary movement or writer. Prerequisite: SPAN 202 or 205.
- 405. ADVANCED ORAL LANGUAGE DEVELOPMENT. 3 cr.** Maximum 6 cr. The refinement of conversational skills utilizing the language learning center and classroom activities. Prerequisite: SPAN 202 or 205.
- 406. ADVANCED SPANISH SYNTAX. 3 cr.** An analysis of the more complex and problematic areas of Spanish grammar and vocabulary usage. Prerequisite: SPAN 231 or equivalent.
- 407. CONTEMPORARY LATIN AMERICAN LITERATURE. 3 cr.** Maximum 6 cr. An analysis and discussion of outstanding works from the Spanish American literature of the twentieth century. Prerequisite: SPAN 202 or 205 or permission of department head.
- 408. CONTEMPORARY HISPANIC LITERATURE IN THE UNITED STATES. 3 cr.** An analysis and discussion of outstanding works of the Hispanic writers of the U.S. Prerequisite: SPAN 202 or 205 or permission of department head.
- 415. CONTEMPORARY SPANISH LITERATURE. 3 cr.** Extensive reading of authors of the Generation of 1898 and of the Twentieth Century. Prerequisite: SPAN 202 or 205
- 425. SPANISH LANGUAGE PRACTICUM. 3-12 cr.** Application of language skills in a foreign-speaking environment. Student will be involved in a total-immersion living situation and will receive a minimum of fifteen clock hours per week in formal language instruction. May be repeated with permission of department head. Prerequisite: SPAN 202 or 205
- 474. SECOND LANGUAGE ACQUISITION. 3 cr.** The application of second language acquisition theory in the classroom. Prerequisite: Spanish/French 205
- 475. LANGUAGE, CULTURE AND THE CLASSROOM. 3 cr.** The application of second language acquisition theory in the elementary or secondary classroom. Same as French 475. Prerequisite: SPAN 205

**SPECIAL EDUCATION
(SPED)**

For Undergraduates Only

- 202. SURVEY OF THE EDUCATION OF CHILDREN WITH SPECIAL NEEDS. 3 cr.** A survey of the cause, evaluation, education and prevention of children with special needs. (10 observation hours required)
- 463. STUDENT TEACHING FOR SPECIAL EDUCATION. 6 cr.** Directed observation and participation in special education situations. Must be admitted to Teacher Education and pass all applicable parts of PRAXIS.
- 464. STUDENT TEACHING FOR SPECIAL EDUCATION. 9 cr.** Eighteen weeks directed observation and participation in special education. Must be admitted to Teacher Education and pass all applicable parts of PRAXIS.
- 465. STUDENT TEACHING FOR SPECIAL EDUCATION. 12 cr.** Directed observation and participation in special education situations. Must be admitted to Teacher Education and pass all applicable parts of PRAXIS.

For Undergraduates and Graduates

- 481. CONTINUING STUDIES IN SPECIAL EDUCATION. 1-3 cr.** Various topics in special education. May be repeated. Credit may not be applied toward a degree. Grade of CR (Credit) or NC (No Credit) will be awarded.
- 491. DIRECTED STUDY. 1-6 cr.** Focused investigation on selected problems in Special Education. Prerequisite: Approval of instructor.

**SPEECH-LANGUAGE PATHOLOGY
(SPLP)**

(Formerly Communicative Disorders)

Undergraduate Requirements

Required for a major in Speech-Language Pathology: 113, 151, 152, 240, 242, 300, 417, 418, 426, 427, 428, 433, 435, 436, 445, 470, 480, 485, and 490—Total of 51 semester hours.

For Undergraduates Only

- 113. INTRODUCTION TO SPEECH/LANGUAGE/HEARING DISORDERS. 3 cr.** For SPLP majors in the College of Health Sciences, for Health Care Professionals, and for Education majors. A survey of speech, language and hearing development and associated disorders. An introduction to the professions of Speech-Language Pathology and Audiology.
- 151. GENERAL FOUNDATION IN AUDIOLOGY. 3 cr.** The nature of deafness and hard of hearing problems of children.
- 152. SPEECH AND LANGUAGE ACQUISITION. 3 cr.** The development of speech in children in the family and the effects of culture on language.
- 220. BEGINNING SIGN LANGUAGE. 3 cr.** An introductory course in the study of American Sign Language (ASL) and Pidgin Sign English (PSE) with an emphasis on the Deaf Community and their culture. An understanding of some of the basic cultural differences of the Deaf and how they relate to the development and existence of sign languages will be coupled with basic skills in both ASL and PSE. Non-majors only.
- 222. AMERICAN SIGN LANGUAGE II. 3 cr.** This course is designed to expand receptive and expressive American Sign Language (ASL) skills. It is a natural language approach incorporating cultural interactions which are being used to develop appropriate conversational skills in ASL at the survival-plus level. Vocabulary acquisition and the understanding and use of ASL linguistic structure is emphasized. Instruction is in ASL without voice. Prerequisite: SPLP 220.
- 240. ANATOMY AND PHYSIOLOGY OF SPEECH PROCESSES. 3 cr.** The anatomy and physiology of the neurological, respiratory, phonatory, articulatory, and hearing mechanisms.
- 242. SPEECH, LANGUAGE, AND HEARING ACOUSTICS. 3 cr.** The production, transmission, and perception of acoustic signals in speech communication; acoustic phonetics and psychoacoustics.
- 300. SUPERVISED OBSERVATION IN COMMUNICATIVE DISORDERS. 2 cr.** Students observes 25 hours of diagnostic and therapeutic sessions with communicatively impaired individuals in approved settings. Prerequisite: Permission of instructor.
- 350. VOICE DISORDERS. 3 cr.** An identification of problems in phonation and resonance of the voice and rehabilitation procedures.
- 470. CLINICAL ASSISTING. 3 cr.** Students assist with clients being served at the ULM Speech and Hearing Clinic or other approved sites. Prerequisite: See specific requirements for enrollment under Progression of Majors in Speech-Language Pathology.
- 476. BEGINNING PRACTICUM IN COMMUNICATION DISORDERS. 1-6 cr.** Clinical practicum with individuals who are communicatively challenged. Students will complete the required clock hours with clients having specific disorders as specified by the instructor. Prerequisite: Approval of department head

491. DIRECTED STUDY. 1-3 cr. Directed study in A. Speech Pathology; B. Language Pathology; C. Audiology. May be repeated for a total of 6 credits. Prerequisite: Approval of department head.

For Undergraduates and Graduates

417. PHONETICS. 3 cr. Correct sound formation and pronunciation; learning of transcription rules for American phonetics and other sound classification systems. Enrollment in 418 is required.

418. PHONETICS LABORATORY. 1 cr. A laboratory course to accompany 417. Two hours laboratory. Prerequisite: Credit or registration in 417, or approval of instructor.

426. DIAGNOSIS AND APPRAISAL OF COMMUNICATION DISORDERS. 3 cr. Instruments, procedures, and report writing skills utilized in diagnosing and reporting speech, language, and hearing disorders. Enrollment in 427 is required. Prerequisite: 113 and consent of instructor.

427. DIAGNOSIS AND APPRAISAL OF COMMUNICATION DISORDERS LABORATORY. 2 cr. A practicum developing the skills to administer and score tests of articulation and language. Prerequisite: Credit or registration in 426, or approval of instructor.

428. ARTICULATION DISORDERS. 3 cr. Types, causes, symptoms, and therapy for articulatory defects in speech. Prerequisite: 417, 418, or consent of instructor.

429. VOICE AND FLUENCY DISORDERS. 3 cr. Types, causes, and symptoms and therapy for voice and fluency disorders.

431. STUTTERING. 3 cr. Review of modern theories and therapies of stuttering, nature, causes, diagnosis, and treatment of stuttering.

433. LANGUAGE PATHOLOGY. 3 cr. Language acquisition, language disorders of reception and expression, and habilitation methodologies in learning. Prerequisite: 152 or consent of instructor.

435. CLINICAL PROCEDURES AND OBSERVATIONS. 3 cr. Provides students with principles of managing communicatively disordered clients with supervised observation of diagnostic and therapy sessions.

436. MANUAL COMMUNICATION. 3 cr. An introductory course in manual communication of the hearing impaired. Emphasis on drills and exercises to help students acquire a sign vocabulary fluency.

445. CLINICAL COUNSELING. 3 cr. Issues related to counseling culturally diverse persons with communication disorders and their families.

480. AUDIOLOGY. 3 cr. Principles and techniques of auditory testing and the interpretation of hearing tests. Prerequisite: 151.

485. AURAL REHABILITATION. 3 cr. Professional services and procedures facilitating adequate receptive and expressive communication in persons with hearing impairments.

490. NEUROPHYSIOLOGICAL BASES FOR COMMUNICATION. 3 cr. Provides students with principles of anatomy and physiology of the normal neurological system as related to language and speech systems. Prerequisites: SPLP 240.

THEATRE (THEA)

Required for a minor in Theatre: Theatre 101, 102, 105, 110, 111, 207, 221, and 9 additional hours in a theatre specialization 300 level or above course. Total of 21 hours.

For Undergraduates Only

100. CAREER PLANNING. 0 cr. Teaches the basics of the theatre business to include resume and portfolio preparation, personal record keeping and career paths. F

101. PLAY READING I. 1 cr. Reading and discussing 15 plays by contemporary American playwrights. F

102. PLAY READING II. 1 cr. Reading and discussing 15 plays by contemporary non-American playwrights. Sp

105. THEATRE PRODUCTION LABORATORY. 1 cr. Provides practice in one of the many theatre skills through participation in university productions. Open to all students. Course not designed to accompany any other course. May be repeated for a maximum of three hours credit. F, Sp, Su

110. THEATRE FUNDAMENTALS: SKILLS. 2 cr. Teaches the basic skills required to function in a production company: Production Organization, Scene Shop Skills, Property Operations, Electrical Operations, Scene Painting, Sound Operations, Costume Shop Operations, Wardrobe Operations, and Make-up Operations. F

111. THEATRE FUNDAMENTALS: AESTHETICS. 2 cr. Teaches fundamentals of design theory, stage movement and dramatic theory to include genres and styles. Sp

191. ENJOYING THEATRE. 3 cr. Seeks to improve appreciation and understanding of theatre art to include playwriting, acting, directing, designing (scenery, lighting, costumes and make-up) and managing. The course gives emphasis to critical observation and thinking skills. F, Sp

201. PLAY READING III. 1 cr. Reading and discussing 15 plays by Modern American playwrights. F

202. PLAY READING IV. 1 cr. Reading and discussing 15 plays by Modern European playwrights. Sp

207. MAKE-UP. 2 cr. Teaches basic skills of make-up design and application for straight and character roles in theatre, television and film. Selected special applications are taught. Laboratory hours on TheatreWorks.ULM productions and student make-up kit are required. F, Sp

221. BEGINNING ACTING. 3 cr. Teaches the basic skills of memorization, relaxation, concentration, physicalization, vocal control and script interpretation through exercises and scene study.

300. DIRECTED STUDY—E-TV. 3 cr. Content Varies. A. Drama: Play, performances, and perception. No more than 12 semester hours may be applied toward degree requirements.

301. SCENIC CONSTRUCTION. 3 cr. Teaches principles and techniques for the building, rigging and shifting of scenery through study, exercises and application. Laboratory hours on TheatreWorks.ULM productions required.

303. LIGHTING. 3 cr. Teaches theory, design and practice of lighting for theater, television and film. Laboratory hours on TheatreWorks.ULM productions required.

305. ADVANCED THEATER PRODUCTION LABORATORY. 1 cr. Provides practice in the application of technical or performance skills in the execution of a major role or position of significant responsibility in TheatreWorks.ULM productions. Prerequisites: Permission of the Director of the Theater. Not designed to accompany any other course. May be repeated for up to three hours credit. F, Sp, Su

309. PLAYWRIGHTING. 3 cr. Teaches the writing of short plays through theory, example and practice.

321. INTERMEDIATE ACTING. 1, 2 or 3 cr. Teaches intermediate skills in specialized areas such as auditioning, performance of musical theater and period styles. Topic and credit varies with the subject matter. Prerequisite: THEA 221 or permission of instructor. May be repeated for a maximum of nine credits.

351. SCENIC DESIGN. 3 cr. Teaches application of art fundamentals and historical research to the design of scenery for theatre, television and film through projects in drawing, rendering and model building. Laboratory hours on TheatreWorks.ULM productions required. Prerequisite: THEA 301 and 303 or permission of the instructor.

360. COSTUME CONSTRUCTION. 3 cr. Teaches pattern drawing, costume alteration and sewing for theatre, television and film through application projects. Laboratory hours on TheatreWorks.ULM productions required.

- 440. ADVANCED TECHNICAL PRACTICE. 1, 2 or 3 cr.** Teaches advanced skills in technical production. May be repeated for a maximum of 9 credits. Prerequisites: THEA 301 or 303 or 360 and permission of the instructor.
- 450. ADVANCED DESIGN PRACTICE. 1, 2 or 3 cr.** Teaches advanced design skills. May be repeated to a maximum of nine credits. Prerequisites: THEA 301 & 351 or 360 & 401 or 207 or 303 as appropriate and permission of the instructor.
- 475. ADVANCED DIRECTING. 1, 2, or 3 cr.** Applies the skills learned in direction (THEA 425) to staging plays as part of TheatreWorks.ULM season, Monroe Little Theater season, with a public/private secondary school or a similar venue. Prerequisites: THEA 221 and 425 and permission of the instructor. May be repeated for a maximum of 3 cr.
- 480. APPRENTICESHIP. 1, 2, or 3 cr.** Provides for working with an acknowledged master in specific theatre craft. Master must agree to supervise and teach the student. Student must design a learning contract which is signed by the student, the master and the Director of Theater. The master can not be a member of the ULM Theater faculty. Prerequisite: Permission of Director of Theater.
- 485. INTERNSHIP. 3-6 cr.** Provides an opportunity to work as an intern in a professional Theatre. Student must prepare a contract specifying the duties to be performed as an intern and the means and person who will evaluate the student's work. Contract must be signed by the student, the intern supervisor and the Director of Theater. Prerequisite: Permission of the Director of Theater.
- 486. SENIOR PROJECT. 1 - 2 cr.** Provides a culminating project for students in technical production, design and direction through which they can demonstrate proficiency in their chosen area. Prerequisite: Permission of Director of Theater.
- 487. SENIOR RECITAL. 1 cr.** Provides a culminating project for performance students to demonstrate their proficiency. Prerequisite: Permission of the Director of Theater.
- 491. DIRECTED STUDY. 1-3 cr.** Directed study in A. Play Writing; B. Directing; C. Acting; D. Technical Theatre; E. Theatre Management. May be repeated for a total of 6 credits. Prerequisite: Approval of department head.

For Undergraduates and Graduates

- 401. COSTUME DESIGN. 3 cr.** Teaches application of art fundamentals and historical research to the creation of costumes for theatre, television and film through drawing and rendering projects. Laboratory hours on TheatreWorks.ULM productions required. Prerequisite: THEA 360 or permission of instructor.
- 409. DRAMATIC LITERATURE, THEORY, AND CRITICISM. 3 cr.** A study of the developments in Western dramatic theory, literature, and criticism from the ancient Greeks to the present.
- 415. THEATRE HISTORY I. 3 cr. each.** Studies the history of theatre art and dramatic literature from primitive beginnings to the year 1700. Emphasis is placed on historical research in support of design and directing concept development. Prerequisite: HIST 111 or 112; consent of instructor.
- 416. THEATRE HISTORY II. 3 cr.** Studies the history of theatre art and dramatic literature from 1700 to the present day. Emphasis is placed on historical research in preparation of seminar presentations and research papers. Prerequisite: HIST 111 or 112; consent of instructor.
- 419. CHILDREN'S THEATRE. 3 cr.** Teaches the selection, direction of plays for child audiences.
- 421. ADVANCED ACTING. 1, 2, or 3 cr.** Teaches advanced skills in specialized areas such as the performance of Shakespearean drama. Topic and credit varies with the subject matter. May be repeated for a maximum of nine credits. Prerequisites: THEA 221 and 321 or permission of the instructor.
- 423. CREATIVE DRAMATICS. 3 cr.** Teaches the use of imaginative and creative activities for instruction in college, secondary and elementary school programs.
- 425. DIRECTING. 3 cr.** Teaches directorial skills in leadership, script selection and analysis, conduct of auditions, rehearsals and performance evaluation through workshop and application. Prerequisites: THEA 111, 221 and permission of instructor.

- 427. THEATRE LEADERSHIP AND MANAGEMENT. 3 cr.** House and box office management, public relations and program development for arts production.
- 431. SUMMER THEATRE PRODUCTION. 1-6 cr.** Provides practical application of theatre skills in a summer theatre environment. Student's participation is determined through audition and application process. Prerequisite: Permission of instructor.
- 442. CONTEMPORARY THEATRE PRACTICES. 3-6 cr.** Examines current acting and directing styles and techniques in the various technical areas: scenery, lighting, sound, makeup, costumes, and properties. A. France B. England.

TOXICOLOGY (TOXI)

Undergraduate Requirements

Specific Toxicology courses are required for every student majoring in Toxicology: Toxicology 101, 201, 301, 411/413, 412/414, 424, 441, 442/443, and 491 (27 hours). Every Toxicology major must also take at least 9 elective hours from one or a combination of all of the following Toxicology tracks.

General Toxicology Track: PHAR 404, TOXI 326, NURS 280, PHYS 210

Forensic Toxicology track: CJUS 101, 233, 250, 299, 301, 330

Environmental Tox Track: BIOL 122/123, 201, 303/304

Industrial Hygiene Track: ATMS 450, BIOL 201, 464, GEOL 417

The Toxicology major may also be used to fulfill the Pre-Pharmacy curriculum requirements for admission to Pharmacy School.

Students pursuing admission to Pharmacy School will follow the 3-year Pre-Pharmacy curriculum listed on pages 132 and 133 of the undergraduate catalog.

If a student at any time should decide against pursuing admission to Pharmacy School or fails to be admitted, the student may choose to continue to pursue a Toxicology undergraduate degree by choosing one of the aforementioned Toxicology tracks or choose to pursue a degree other than that of Toxicology. Transfer students who have completed BIOL 220, 240 and/or 305 of the Pre-Pharmacy curriculum may substitute one or more of these courses for the 9 elective hours required in any of the aforementioned Toxicology tracks.

For Undergraduates Only

- 101. TOXICOLOGY AND THE ENVIRONMENT. 2 cr.** This class will provide an introduction to the field of toxicology and illustrate the relationships between chemicals, man and the environment. Historical and contemporary "case studies" of contamination episodes will be used to highlight the various factors involved in evaluating and controlling chemical hazards. F
- 201. ENVIRONMENTAL TOXICOLOGY. 2 cr.** This course will encompass both the fate and effects of chemicals in the environment, with emphasis in aquatic and terrestrial ecosystems. Potential sources, routes of exposure, and physical, chemical, and biological factors important with the movement of contaminants within various components of the ecosystems will be examined. In addition, emerging environmental regulations, issues, and case studies will be discussed. Prerequisites: BIOL 120, 121; CHEM 107, 109. Sp

- 301. INTRODUCTION TO FORENSIC TOXICOLOGY. 3 cr.** An introduction to the field of Forensic Toxicology with focus on fundamentals of pharmacokinetics, specimen collection, laboratory analysis and courtroom testimony. Additional discussion will include crime scene investigation, current crime lab practices and an overall application to the medicolegal profession. Prerequisites: TOXI 101, BIOL 120, CHEM 230, CHEM 232. Sp
- 326. CLINICAL CHEMISTRY AND TOXICOLOGY. 3 cr.** Principles of basic clinical chemistry and toxicology procedures applied to enzymes; endocrine function; electrolytes and blood gases; renal function; gastric, pancreatic and intestine function; biochemistry of pregnancy; therapeutic drug monitoring and analysis of toxic substances. Prerequisite: CLSC 322, 323, or approval of the Program Director. (Same as CLSC 326.) Toxicology majors only.
- 401. GENERAL LABORATORY TECHNIQUES. 1 cr.** This class is designed to provide the student with basic skills required to work in a toxicology laboratory. Prerequisite: Consent of instructor. Toxicology majors only.
- 411. GENERAL TOXICOLOGY. 3 cr.** Biochemical basis of chemical toxicity including toxicodynamics, biotransformation, toxicokinetics, mutagenicity, carcinogenicity, teratogenicity and toxicity testing. Prerequisites: BIOL 311; and grade of "C" or better in TOXI 101; and credit or registration in TOXI 413. Toxicology majors only. Sp
- 412. GENERAL TOXICOLOGY. 3 cr.** Continuation of Toxicology 411. Physiological basis of chemical toxicity in organ systems. Prerequisites: TOXI 411; and BIOL 311, 312; and grade of "C" or better in TOXI 101 and 201; and credit or registration in TOXI 414. Toxicology majors only. F
- 413-414. GENERAL TOXICOLOGY LABORATORY. 1 cr. each.** Laboratory exercises to accompany 411-412. Three hours laboratory. Prerequisite: Credit or registration in TOXI 411 and 412. Toxicology majors only.
- 415. ANALYTICAL TOXICOLOGY. 1 cr.** Quantitative and qualitative methods of chemical analysis of toxic substances. Prerequisites: TOXI 412; and CHEM 307 and 308; and credit or registration in TOXI 416. Toxicology majors only.
- 416. ANALYTICAL TOXICOLOGY LABORATORY. 2 cr.** Laboratory exercises to accompany 415. Six hours laboratory. Prerequisite: credit or registration in TOXI 415. Toxicology majors only.
- 424. CLINICAL TOXICOLOGY. 2 cr.** Information on the clinical management of poisonings including the assessment of toxic potential, stabilization of vital function, and specific antidotal measures. Prerequisite: Credit or registration in TOXI 412 and 414. F (Same as PHARM 524).
- 441. INDUSTRIAL HYGIENE I. 3 cr.** Introduction into industrial hygiene covering its history, ethics, and general principles. Review of regulatory agencies and occupational safety and health standards included. Detailed discussions regarding specific occupational hazards will begin, and include properties of the hazard, industrial exposure potential, exposure monitoring techniques, relevant regulatory standards, and control methodologies. Prerequisites: TOXI 101 and 201. Sp
- 442. INDUSTRIAL HYGIENE II. 3 cr.** Continuation of Industrial Hygiene I. Detailed discussion of specific occupational hazards continues. Discussions include review of properties of the hazard, industrial exposure potential, exposure monitoring techniques, regulatory standards, and control methodologies. Discussion regarding indoor air quality, ergonomics issues, and industrial ventilation systems is included. Prerequisites: TOXI 441. F
- 443. INDUSTRIAL HYGIENE LABORATORY. 1 cr.** A laboratory dedicated to the practical application of information disseminated in Toxicology 444. Three hours laboratory. Toxicology majors only. Sp
- 444. INDUSTRIAL HYGIENE. 3 cr.** Introduction to industrial hygiene: general principles, regulatory standards, workplace hazards, exposure control, problem solving strategies. Prerequisites: TOXI 101 and 201. Toxicology majors only. Sp
- 491. SEMINAR. 3 cr.** Students are required to make oral presentations and discuss special current problems in the field of toxicology. Involves presentation and class participation. A final comprehensive examination will cover all aspects of the discipline of toxicology. Prerequisite: credit or registration in all required Toxicology courses. Toxicology majors only. F,Sp

UNIVERSITY CAPSTONE (UCAP)

For Undergraduates Only

- 300. UNIVERSITY CAPSTONE. 3 cr.** An interdisciplinary course that gives substantive attention to critical thinking, methods of inquiry, written and oral communication skills, and computer literacy. Students are taught to identify, reconstruct, analyze, and critique reasoned claims. Prerequisite: Completion of all courses (a total of 39 hours) in the Core Curriculum.

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Dr. Huei-En Hsu

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Hanna Spyker Eminent Scholars Chair in Education

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Mr. Greg Smith

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Ph.D., University of Arkansas
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B.S. in Biology, Emory University; D.D.S., Case Western Reserve
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(318) 342 1000**

For information about ULM, please contact:

INFORMATION	OFFICE	PHONE NUMBER (area code 318)
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Business Administration	Dean	342-1100
Education and Human Development	Dean	342-1235
Health Sciences	Dean	342-1603
Pharmacy	Dean	342-1600
Academic Records and Transcripts	Registrar	342-5262
Admissions (undergraduate)	Admissions	342-5430
Admissions (graduate)	Graduate School	342-1036
Auxiliary Enterprises	Student Services	342-5242
Career Services	Career Services	342-5338
Continuing Education	Continuing Education	342-1030
Counseling	Counseling Center	342-5220
Financial Aid	Financial Aid	342-5320
Food Service		342-1980
Graduate Studies and Research	Dean	342-1036
Information on New Students	Recruitment/Admissions	342-5430
	Call Toll free	1-800-372-5127
Intercollegiate Athletics	Sports Information	342-5463
International Students	International Student Adviser	362-4689
Registration	Registrar	342-5262
Residence Halls	Housing	342-5240
Student Activities/Organizations	Student Life and Leadership	342-5287
Student ID/Meal Plans	SACS	342-5002
Student Success Center	SSC	342-3667
Testing Services	Testing Services	342-5336
Transcripts	Registrar	342-5271
Tuition and Fees	Controller/Student Account Services	342-5116
University Library	Academic Affairs	342-1070
Veterans Affairs	Veterans Affairs	342-5223

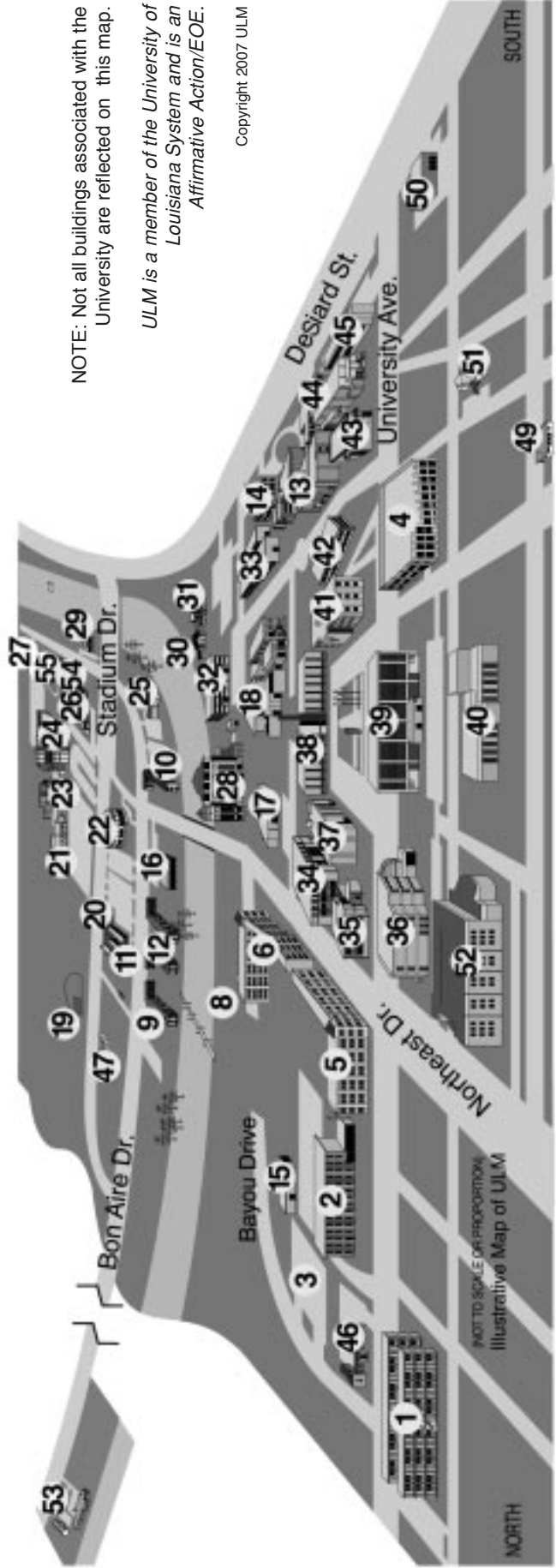
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	Toll-Free	1-800-309-6208
Graduate Catalog	Graduate School	342-1036



University of Louisiana Monroe CAMPUS MAP

- | | | | | | | |
|---|--|---|--|--|--|---|
| 1. Madison Hall | 10. Bayou Suites Residence Hall | 16. Schuize Dining Hall | 25. Lake C. Oxford Natatorium | 34. Sandel Hall Visitors Center/Admissions - Bookstore | 43. Sound of Today Band Building | 50. University Advancement |
| 2. Ouachita Hall | 11. Masur Hall | 17. Clarke M. Williams Student Success Center | 26. Activity Center | 35. Garrett Hall | 44. Biedenharn Hall - Recital Hall | 51. Testing Center |
| 3. Parking Addition | 12. Bayou Village Apartments | 18. Student Union Building/Student Center - Post Office | 27. University Park Intramural Complex | 36. Chemistry & Natural Science | 45. Filhiol Hall | 52. Hemphill Airway and Computer Science Building |
| 4. ... | 13. Brown Hall | 19. Softball Field | 28. University Library | 37. Hanna Hall | 46. Student Health and Counseling Center | 53. Marriage & Family Therapy Complex |
| 5. University Commons I | 14. Auditorium, Spyker & Black Box Theatres, Brown Annex | 20. Heard Stadium (Tennis) | 29. Anna Gray Noe Alumni Center | 38. Administration Building | 47. Physical Plant | 54. Golf Office |
| 6. University Commons II - Bank, Residential Life, SACS | 15. Bry Hall - Bry Gallery | 21. Brown Stadium | 30. Photo Services- | 39. Nursing Building | 48. Child Development Center | 55. Institute of Gerontology |
| 7. ... | 16. Fant-Ewing Coliseum | 22. Baseball Stadium | 31. University House | 40. Construction Building | 49. ULM Police | |
| 8. Under Construction | 23. Baseball Stadium | 24. Malone Stadium | 32. Strauss Hall | 41. Sugar Hall | | |
| 9. Bayou Village Apts. | | | 33. Stubbs Hall | 42. Cadwell Hall | | |



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