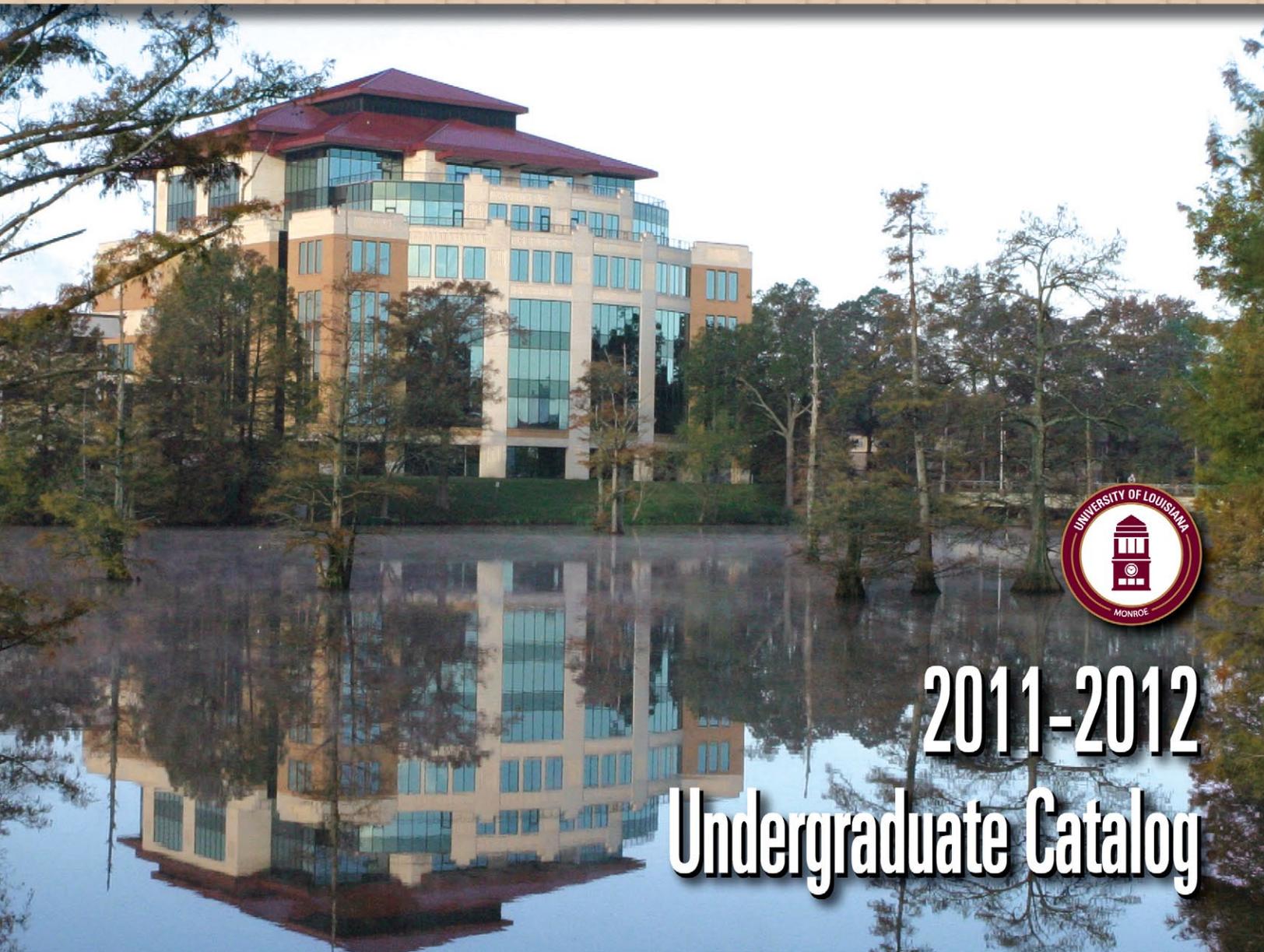




# Discover **ULM**

University of Louisiana at Monroe



**2011-2012**  
**Undergraduate Catalog**



# UNIVERSITY OF LOUISIANA MONROE

(USPS 395-480)  
Monroe, Louisiana

## Catalog 2011-2012

EFFECTIVE WITH THE 2011 FIRST SUMMER TERM THROUGH THE 2012  
SPRING SEMESTER

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## MESSAGE FROM THE PRESIDENT



Welcome to the University of Louisiana at Monroe!

Our campus is located about halfway between New Orleans and Memphis, alongside picturesque Bayou DeSiard. Founded in 1931, ULM is a vibrant university that serves as a major education and cultural resource for the region. More importantly to you, however; ULM offers a variety of disciplines that will help you meet your academic and career goals. I hope you find it a welcoming home as you strive to achieve these goals.

Talented faculty, outstanding facilities and exceptional students make ULM a great place to pursue your advanced degree. Internationally recognized faculty who place a premium on mentoring our students and state-of-the-art laboratories where cutting-edge research is performed are the pride of our campus. Our library is among the newest in the nation and newly constructed residence halls provide a comfortable setting for your studies, while also giving you proximity to our classrooms.

As you would expect from any comprehensive university of quality, accounting, English, and teacher education are among the excellent programs at ULM. You will also find some programs that are unique to our university. For example, ULM offers the only undergraduate program of Toxicology in the Southeastern United States, while ULM's Atmospheric Sciences Program is the only degree program of its kind in Louisiana. ULM's Biology program provides our state's only freshman research program that participates in the National Genomics Research Initiative.

Whatever your area of interest, we are committed to you and appreciate your demonstrated ability and persistence. Earning a university degree will require that you apply those abilities in a persistent manner, but I also encourage you to enjoy a few quiet moments relaxing by the bayou or exploring points of historical interest. Sample our fabulous food and soak in that southern hospitality we are known for—the kind that keeps many folks coming back to the region, year after year.

Best wishes for a successful education at ULM, and please don't hesitate to look me up on Facebook or shoot me an email at [bruno@ulm.edu](mailto:bruno@ulm.edu).

Most sincerely,

A handwritten signature in black ink that reads "Nick J. Bruno". The signature is fluid and cursive, with a long horizontal line extending from the end of the name.

Nick J. Bruno  
ULM President

# 2011

<b>January</b> 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	<b>February</b> 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	<b>March</b> 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
<b>April</b> 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	<b>May</b> 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	<b>June</b> 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
<b>July</b> 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	<b>August</b> 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	<b>September</b> 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
<b>October</b> 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	<b>November</b> 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	<b>December</b> 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

# 2012

<b>January</b> 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	<b>February</b> 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	<b>March</b> 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
<b>April</b> 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	<b>May</b> 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	<b>June</b> 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
<b>July</b> 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	<b>August</b> 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	<b>September</b> 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
<b>October</b> 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	<b>November</b> 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	<b>December</b> 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

# THE ACADEMIC YEAR, 2011-2012

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## SUMMER INTERSESSION, 2011

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	25	26	27	28
29	30	31				

MAY		
16	Mon	Classes begin
17	Tue	Final date for adding courses for credit or making course changes
26	Thu	Final date for dropping courses or resigning from the University; a "W" grade is issued
30	Mon	Memorial Day Holiday

JUNE		
6	Mon	Final Examinations
8	Wed	Grades due on-line before 8:00 a.m.; Term ends 8:00 a.m.

## SUMMER TERM, 2011

### FIRST SUMMER SESSION, 2011

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		
7	Tue	Residence halls open for students - 1st session
8	Wed	Classes begin - 1st session
9	Thu	Final date for adding courses for credit or making course changes - 1st session
13-16	M-Th	Preliminary examinations for doctoral students
21	Tue	Final date for removing "I" grades - 1st session
22	Wed	Final date for filing field study, thesis, or dissertation with Graduate Advisory Committee - 1st session
27	Mon	Final date for dropping courses or resigning from the University; a "W" grade is issued (*subject to change)
30	Thu	Final date for filing field study, thesis, or dissertation with Graduate School - 1st 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						

JULY		
4	Mon	Independence Day Holiday (observed)
11	Mon	Final Examinations - 1st session
13	Wed	Grades due on-line before 8:00 A.M.- 1st session Term ends 8:00 a.m. - 1st 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, 2011 JULY

12	Tue	Residence halls open for students - 2nd session
13	Wed	Classes begin - 2nd session
14	Thu	Final date for adding courses for credit or making course changes - 2nd session
15	Fri	Final date for making application for comprehensive examination and application for degree for December
18-21	M-Thu	Comprehensive examinations for graduate students

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

1	Mon	Final date for dropping courses or resigning from the University; a "W" grade is issued (*subject to change)
11	Thu	Final Examinations- 2nd session
16	Tue	Grades due in on-line before 8:00 A.M. Term ends, 8:00 a.m. - 2nd session

## FALL SEMESTER, 2011

### AUGUST

15-19	M-F	Faculty Development Activities
19	Fri	Residence halls open for students
22	Mon	Classes begin for Fall and 1st 8-week sessions
26	Fri	Final date for adding courses for credit or making course changes

SEPTEMBER						
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	

### SEPTEMBER

5	Mon	Labor Day Holiday
16	Fri	Final date for removing "I" grades
16-20	Fri-Tue	Mid Term Grading for 1st 8-week classes; Grading ends at 3:00 p.m. on Tuesday
23	Fri	Final date for dropping courses or resigning from the University for 1st 8-week session; a "W" grade is issued (*Subject to change)

### OCTOBER

3-12	M-Wed	Mid-Term Grading for Fall classes; Grading ends at 3:00 p.m. on Wednesday
12	Wed	Final date for filing field study, thesis, or dissertation with Graduate Advisory Committee
12	Wed	Final Day for 1st 8-week classes
13-14	Th-Fr	Fall Holiday
17	Mon	Grades for 1st 8-week classes due on-line before 3:00 p.m.
17	Mon	Classes begin for 2nd 8-week session
17-21	M-F	Preliminary examinations for doctoral students
24-28	M-F	Comprehensive examinations for graduate students
27	Thu	Final date for filing field study, thesis, or dissertation with Graduate School
28	Fri	Final date for dropping courses or resigning from the University for Fall classes; a "W" grade is issued (*subject to change)

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					

**NOVEMBER**

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				

**NOVEMBER**

11-15	Fri-Tu	Mid-Term Grading for 2nd 8-week classes; Grading ends at 3:00 p.m. on Tuesday
15	Tue	Final date for making application for comprehensive examination and application for degree for May
18	Tue	Final date for dropping courses or resigning from the University for 2nd 8-week session; a "W" grade is issued (*Subject to change)
23-25	W-F	Thanksgiving Holidays, Classes close at 12:00 Noon on Wednesday
29	Mon	Classes resume, 8:00 a.m.

**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**

5-6	M-Tu	Final Fall Examinations (Some evening class finals may be scheduled earlier)
7	Wed	Student Study Day
8-9	Th-F	Final Fall Examinations (Some evening class finals may be scheduled earlier)
9	Fri	Final Day for 2nd 8-week classes
12	Mon	Grades due on-line before 3:00 p.m. for 2nd 8-week classes
17	Sat	Commencement, 10:00 a.m.; Semester ends, 12:00 Midnight
19	Mon	University Offices closed

**WINTERSESSION, 2011-2012****DECEMBER**

12	Mon	Classes begin
13	Tue	Final date for adding courses for credit or making course changes
22-30	Th-F	Wintersession Break (no classes)

**JANUARY**

2	Mon	Classes resume
4	Wed	Final date for dropping courses or resigning from University; a "W" grade is issued (*Subject to change)
13	Fri	Final Examinations
17	Tue	Grades due on-line before 3:00 p.m.; Term ends 3:00 p.m.

**JANUARY**

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				

# SPRING SEMESTER, 2012

JANUARY						
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				

## JANUARY

3	Tue	University Offices Open
9-13	M-F	Faculty Development Activities
13	Fri	Residence halls open for students
16	Mon	Martin Luther King Day Holiday
17	Tue	Classes begin for Spring and 1st 8-week sessions
20	Fri	Final date for adding courses for credit or making course changes

FEBRUARY						
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			

## FEBRUARY

10	Fri	Final date for removing "I" grades
14-16	Tu-Th	Mid-term Grading; for 1st 8-week classes; Grading ends at 3:00 p.m. on Thursday
17	Fri	Final date for dropping courses or resigning from the University for 1st 8-week session; a "W" grade is issued (*Subject to change)
20-22	M-W	Mardi Gras Holidays
23	Thur	Classes resume, 8:00 a.m.

MARCH						
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

## MARCH

1-8	Tu-Th	Mid-Term Grading for Spring Classes; Grading ends at 3:00 p.m. on Thursday
9	Fri	Final Day for 1st 8-week classes
12	Mon	Grades for 1st 8-week classes due on-line before 3:00 p.m.
12	Mon	Classes Begin for 2nd 8-week session
12	Mon	Final date for filing field study, thesis, or dissertation with Graduate Advisory Committee
12-16	M-F	Preliminary examinations for doctoral students
19-23	M-F	Comprehensive examinations for graduate students
23	Fri	Final date for filing field study, thesis, or dissertation with Graduate School
23	Fri	Final date for dropping courses or resigning from the University for Spring classes; a "W" grade is issued (*Subject to change)

APRIL						
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					

## APRIL

6-13	F - F	Spring Holiday
16	Mon	Classes resume, 8:00 a.m.
16	Mon	Final date for making application for comprehensive examination and application for degree for August
16-18	M-Wed	Mid-Term Grading for 2nd 8-week classes; Grading ends at 3:00 p.m. on Wednesday
23	Mon	Final date for dropping courses or resigning from the University for 2nd 8-week session; a "W" grade is issued (*Subject to change)

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	25	26
27	28	29	30	31		

MAY		
7-8	M-Tue	Final Spring Examinations (Some evening class finals may be scheduled earlier)
9	Wed	Student Study Day
10-11	Th-Fri	Final Spring Examinations (Some evening class finals may be scheduled earlier)
11	Fri	Final Day for 2nd 8-week classes
14	Mon	Grades due on-line before 3:00 p.m. for full semester and 2nd 8-week classes
19	Sat	Commencement, 10:00 A.M. Semester ends, 12:00 Midnight

## SUMMER INTERSESSION, 2012

MAY		
14	Mon	Classes begin
15	Tue	Final date for adding courses for credit or making course changes
25	Tue	Final date for dropping courses or resigning from the University; a "W" grade is issued (*Subject to change)
28	Mon	Memorial Day Holiday

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		
1	Fri	Final Examinations
4	Mon	Grades due on-line before 3:00 p.m. Term ends 8:00 a.m.



# 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 from the associate level through the doctoral degree, including the state's only public Pharm.D. program. Complemented by research and service, these programs address the postsecondary educational needs of the area's citizens, businesses, and industries.

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 schools, government, businesses, and a variety of community-based agencies.

ULM is categorized as an SREB Four-Year 3 institution, as a Carnegie Master's College and University I, and as a COC/SACS Level VI institution. It will offer a wide range of baccalaureate programs and will be committed to graduate education through the master's degree, offering graduate programs to meet regional or state needs. The University will limit associate degree offerings to 2+2 programs, conduct research appropriate to academic programs offered and necessary for program accreditation, and implement, at a minimum, Selective III admissions criteria. ULM is located in Region VIII.

## 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 Aviation Program in the College of Business Administration is accredited by Aviation Accreditation Board International (AABI). 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 Medical Laboratory Science program is 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 University Library's mission is to support the mission of the University of Louisiana at Monroe in its teaching, research and learning endeavors for students, faculty and staff through the development of strong collections, integration of information and technology, creation of collaborative learning spaces and facilitation of e-literacy. The Library's special collections and archives are rich in the history of the University and areas of northeast Louisiana. In addition, the Library supports individuals and entities in the community through service and outreach.

The Library is a member of AMIGOS Library Services network, which enables processing, verification and interlibrary loan via computers connected to the Internet. The Library's electronic catalog is part of the LOUIS network, the state-wide academic library consortium. As a member of LOUIS, the Library also has access to EBSCO host which provides over 40,000 full-text electronic journals and EBSCO. All are welcome to use the resources of the University Library. The Library's website address is <http://www.ulm.edu/library>. To borrow library materials, one must have a valid ULM ID card, be enrolled in an approved cooperative program; become a member of Friends of the ULM Library; or acquire a ULM Alumni Honorary Card.

## FACILITIES

### ACADEMIC BUILDINGS

**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 Departments of Kinesiology, 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.

**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, Biology, Chemistry; chemistry and biology laboratories, 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 completed in 2010 make it is 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.

**COLONEL WILLIAM T. HEMPHILL HALL** is the home of the College of Business. It provides modern classrooms, laboratories, student learning areas, and the administrative and service offices of the College of Business, including the Dean's office and the Center for Business and Economic Research.

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

**FANT-EWING COLISEUM**, constructed in 1971, 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 University Police Department.

**GARRETT HALL**, constructed in 1962, houses biology classrooms and laboratories.

**GEORGE T. WALKER HALL** constructed in 1969, houses the Office of Graduate School, College of Arts and Sciences Dean's Office, Registrar's Office, and some administrative offices on the first floor. The Louisiana Small Business Development Center is housed on the second floor along with The Office of Sponsored Programs and Research and Assessment and Evaluation. The Department of English and Mathematics are housed on the third floor.

**HANNA HALL**, constructed in 1966, houses classrooms and some faculty offices as well as the Department of Atmospheric Science, Earth Science, and Physics, 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 Medical Laboratory Science and Radiologic Technology.

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

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

**SUGAR HALL**, constructed in 1971 houses the College of Health Sciences and the Kitty Degree Speech and Hearing Clinic. 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,** houses a computer lab, rooms for group study and tutoring, and multi-media rooms. A full-time advising staff provides academic support services, including assisting students with planning course loads and exploring career options.

**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](http://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 in Filhiol Hall. 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 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 Bayou 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..

Bayou Suites & University Commons II: These are 2 bedroom/1 bath suites and are inside corridor buildings. Bayou Suites is a Scholars Hall with a required 3.5 cumulative GPA requirement for first time freshmen and a 3.3 for continuing and transfer students. A portion of University Commons II is a dedicated Health Science living area with a 3.0 cumulative GPA requirement. Each room has high speed internet, extended basic cable TV with HBO, local phone service, ceiling fans, and individual HV/AC units, laundry facilities throughout the buildings, computer lab, and vending machines.

University Commons I: This building is double occupancy rooms with a shared bathroom. Each room has high speed internet, extended basic cable TV with HBO, local phone service, ceiling fans, and individual HV/AC units. There are laundry facilities throughout the buildings, a computer lab, and vending machines.

Madison (male only) and Ouachita (female only): These residence halls are double occupancy suite style rooms with shared bathroom. Each room has extended basic cable TV with HBO, local phone service, ceiling fans and individual HV/AC units. There are laundry facilities throughout the buildings, computer lab, and vending machines.

Masur Hall: This is a co-ed exterior corridor building with five floors of females and one floor of males. It has double occupancy suites with shared bathroom. All rooms have high speed internet, extended cable TV with HBO, local phone service, and building wide HV/AC system. There is community building that includes large screen TV, study areas, computer lab, laundry facility, and vending machines.

Building Access: Bayou Suites, University Commons I and II, Ouachita Hall and Bayou Village Apartments are controlled access buildings. Students assigned to these buildings will use their ID cards to access the buildings and are issued keys to their individual rooms. Madison Hall and Masur Hall are exterior corridor buildings with key access to their rooms.

## 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.

### 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 ULM Child Development Center is a laboratory setting providing quality care and education for young children. It is operated by the College of Education and Human Development Department of Curriculum and Instruction. This laboratory is an on-site child care facility with children ranging in age from 6 weeks - four years. Children of ULM faculty, staff, alumni and community members are enrolled at the ULM Child Development Center. The center provides experiences for children that focus on physical, cognitive, language, social and emotional development of each child. The center's primary goal is to provide practical experiences in best

practices for university students to prepare them for a variety of professions in which they will work with young children.

## 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. The student will take 22 hours of the Honors Core that fulfills the University Core. In order to complete the Honors Core, Honors students must take English 1010, Arts 1010, six (6) hours of Honors Social Sciences, Honors University Seminar, with prior Honors Council approval one (1) mathematics course that fulfills the University Core using the Honors Option, and at least two (2) of the following courses, one from each discipline, English 2007, English 2019, History 1010, History 2009 and History 2019.

Upon completion of the Honors Core, the student will have three choices:

- Honors in the Major
- Honors in the College
- Honors in the University

To complete Honors in the Major the student must take nine to twelve (9-12) of Honors hours in the major\*, six (6) hours of the same Foreign Language (12 hours for students in the College of Arts and Sciences), and one (1) of Honors Colloquium. To complete Honors in the College the student must take nine to twelve (9-12) of Honors hours in the major\*, six (6) hours of the same Foreign Language (12 hours for student in the College of Arts and Sciences), two (2) hours of Honors Colloquium, three (3) hours of Honors Speech and three (3) hours of Honors Seminar outside the major.

To complete Honors in the University the student must take nine to twelve (9-12) of Honors hours in the major\*, twelve (12) hours of the same Foreign Language, two (2) of Honors Colloquium, three (3) of Honors Speech, three (3) of Honors Seminar and a completion of the Honors Project to be completed during the junior and senior year.

- \* All Honors hours in the major must be completed using the Honors Option and approved by the Honors Council.

Successful completion of all requirements and a cumulative grade point average of at least 3.5 by the time of graduation (3.3 by freshman year, 3.4 by sophomore year and 3.5 by junior year) will qualify the student to obtain a certificate and graduate from the Honors Program.

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
- University 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, general studies 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, Math, and Physics, the ADAM biology program, DISCOVER Career Exploration, "What Can I Do With a Major in..." Internet access and word processing computer terminals.

The SSC develops, implements, and manages University Seminar (UNIV 1001), a one credit hour, University required course for first semester students. College specific as well as special sections for adult learners are offered.

### **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 1000 and 2000 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 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 (B.M.)
- Bachelor of Science (B.S.)
- Bachelor of Science in Nursing (B.S.N.)

## PROGRAMS OF STUDY

Concentrations are available in some majors.

<b>Major</b>	<b>Degree</b>	<b>Department/School</b>
Accounting	B.B.A.	Accounting
Agribusiness	B.S.	Ag Business
Art	B.F.A.	Visual and Performing Arts
Concentrations:		
Art Education (Grades K-12)		
Studio Art Concentrations:		
Ceramics		
Drawing		
Graphic Design		
Painting		
Photography		
Printmaking		
Sculpture		

\*See Graduate Catalog 2011-2012 for graduate programs and offerings.

<b>Major</b>	<b>Degree</b>	<b>Department/School</b>
Atmospheric Sciences	B.S.	Atmospheric Science, Earth Science, and Physics
Aviation	B.S.	Management and Aviation
Biology	B.S.	Biology
Communication Studies	B.A.	Communication
Computer Information Systems	B.B.A.	Computer Information Systems and Computer Science
Concentration: Information Security		
Computer Science	B.S.	Computer Information Systems and Computer Science
Construction Management	B.S.	Construction
Criminal Justice	B.A.	Criminal Justice
Dental Hygiene	B.S.	Dental Hygiene
Elementary Education (Grades 1-5)	B.S.	Curriculum and Instruction
English	B.A.	English
Finance	B.B.A.	Finance
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 Studies	B.S.	Health Studies
Options: Healthcare Management/Marketing Online Healthcare Management/Marketing Pre-Professional Health Studies		
History	B.A.	History
Kinesiology	B.S.	Kinesiology
Concentrations: Exercise Science Exercise Science/Pre-Physical Therapy Fitness and Sports Industry Health and Physical Education (Certification)		
Management	B.B.A.	Management and Aviation
Marketing	B.B.A.	Marketing
Mass Communications	B.A.	Communication
Mathematics	B.S.	Mathematics
Concentration: Mathematics Education (Grades 6-12)		
Medical Laboratory Science	B.S.	Medical Laboratory Science
Modern Languages	B.A.	Foreign Languages
Concentrations: French Spanish		
Music	B.M.	Visual and Performing Arts
Concentrations: Instrumental Education (Grades K-12) Instrumental Music Performance Music Theatre Music Theory and Composition Piano Pedagogy Voice Performance Vocal Education (Grades K-12)		
Nursing	B.S.N.	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
Secondary Education and Teaching	B.S.	Curriculum and Instruction
Concentrations:		
Biology Education (Grades 6-12)		
Chemistry Education (Grades 6-12)		
Earth Science Education (Grades 6-12)		
English Education (Grades 6-12)		
French Education (Grades K-12)		
Social Studies Education (Grades 6-12)		
Spanish Education (Grades 6-12)		
Secondary Education and Teaching	B.S.	Curriculum and Instruction
(Inclusive Grades 6-12)		
Biology Education (Grades 6-12)		
Chemistry Education (Grades 6-12)		
English Education (Grades 6-12)		
Mathematics Education (Grades 6-12)		
Social Studies Education (Grades 6-12)		
Social Work	B.A.	Social Work
Sociology	B.A.	Gerontology, Sociology and Political Science
Speech-Language Pathology	B.S.	Speech-Language Pathology
Toxicology	B.S.	Pharmacy

**PRE-PROFESSIONAL AND NON-DEGREE PROGRAMS**

<b>Pre-Professional/Non-Degree</b>	<b>Programs Department/School</b>
Pre-Dental Hygiene	Dental Hygiene
Pre-Medical Laboratory Science	Medical Laboratory Science
Pre-Nursing	Nursing
Pre-Occupational Therapy Assistant	Occupational Therapy
Pre-Pharmacy	Pharmacy
Pre-Radiologic Technology	Radiologic Technology
Pre-Social Work	Social Work
Pre-Speech-Language Pathology	Speech-Language Pathology
Undeclared/Interim	Arts and Sciences

**PRIVILEGE TO CONTINUE ENROLLMENT IN TERMINATED PROGRAMS**

Periodically, programs/curricula are terminated either by Board mandate or University request. In those cases, students are allowed to continue in the programs ONLY IF they maintain continuous enrollment in the program (fall and spring; summer term excluded) AND make progress toward the degree program by earning credit toward the degree. Therefore, any failure to register and earn credit toward the degree in a regular semester will result in a mandatory change of curriculum to an active program.

## PREMEDICINE, PREDENTISTRY AND PREOPTOMETRY

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

Department of Biology  
University of Louisiana at Monroe  
Monroe, LA 71209  
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### 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 1020, 1021 (Principles of Biology lecture and lab)

Biology 2014, 2015 (Introductory Microbiology lecture and lab)

Other courses such as Comparative Anatomy lecture and lab (Biology 3016), Human Physiology lecture and lab (Biology 3010, 3013), Genetics lecture and lab (Biology 3005, 3006) and Histology lecture and lab (Biology 4022) are recommended.

#### Chemistry:

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

Chemistry 1007, 1009, 1008, 1010 (General Chemistry lecture and lab)

Chemistry 2030, 2031, 2032, 2033 (Organic Chemistry lecture and lab)

Biochemistry (Chemistry 3050, 3051, 3052) is strongly recommended.

#### Physics:

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

Physics 2003, 2004, 2009, 2010 (General Physics, lecture and lab)

#### English:

(one year of composition)

English 1001, 1002 (Composition)

Advanced Composition (English 3026) 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 about how to 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, gender, 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](mailto: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](mailto: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/apply](http://www.ulm.edu/apply) 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 15980) 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.

- |      |   |
|------|---|
| 1    | Biology   |
| 1    | Chemistry   |
| 1    | Earth Science, Environmental Science, Physical Science, Biology II, Chemistry II, Physics, Physics II, or Physics for Technology (one unit), Agriscience I & II   |
| 1    | American History  |
| 1    | World History, Western Civilization, or World Geography   |
| 1    | Civics/Free Enterprise  |
| 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.**

**Selective Admissions Criteria for Fall 2011 Beginning Freshmen (under age 25):**

**Fall 2011 Minimum Admission Requirements**

- Louisiana residents must complete the Regents High School Core Curriculum (listed below)
- Require no more than (1) remedial course (requires minimum ACT subscore of 18 in English and 19 in math or SAT equivalent)
- 2.0 cumulative high school GPA

and meet one (1) of the following requirements:

- 2.3 cumulative high school GPA
- ACT composite score of 20 (or SAT equivalent)
- Rank in upper 50% of high school class

**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

**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 15980) 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.

### NON-TRADITIONAL STUDENTS (ADULT LEARNER)

Adults aged 25 and over who are defined as entering freshmen are not required to meet the minimum admission criteria for first-time freshmen. Students in this category 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 admission fee. The online application may be found at [www.ulm.edu/apply](http://www.ulm.edu/apply).
2. Submit an official copy of their high school transcript which includes graduation date or official GED results.
3. If the ACT or SAT test was taken, official scores should be submitted. These scores will be used to determine developmental course requirements or students have the option to take test-out examinations.

Adults aged 25 and over who are defined as transfer students are required to meet the minimum admission criteria for transfer students and must be eligible to return to the last accredited collegiate institution attended. Students who do not may be admitted under the transfer admission exceptions category.

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](http://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 1001-1002. A student with such credit must take ULM's English 1001-1002 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 enrolled at ULM have earned 60 semester hours of non-developmental credits, they may not transfer credits earned in a two-year college to fulfill degree requirements, unless authorized to do so by their academic dean. Earned hours/credits refer to those associated with a course in which the student's final grade is A, B, C, D, or CR.
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) 342-3059, Fax (318) 342-1915, or [jordan@ulm.edu](mailto:jordan@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](mailto: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.

### Six Steps to Admission:

1. Application for admission with the \$30 US application fee. ([www.ulm.edu/enrollment/international](http://www.ulm.edu/enrollment/international))
2. Statement of Financial Backing signed by student and sponsor with sponsor's bank statement.
3. Proof of Immunization form. ([www.ulm.edu/enrollment/international/documents.html](http://www.ulm.edu/enrollment/international/documents.html))
4. SAT score (school code 6482) or ACT score (school code 1598), if available.
- 5.\*\* Official TOEFL (Test of English as a Foreign Language — school code 6482) 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 5.5.
6. Submit official academic transcripts from all college/universities attended or secondary education transcript (in English) if college work has not been attempted (a 2.2 GPA is required 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 (such as World Education Services Inc. at [www.wes.org](http://www.wes.org))

\*\*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 (Aug-Dec), May 1; for spring semester (Jan.-May), October 1; for summer sessions (June/July), February 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](http://www.ulm.edu/international).

## **GOLD – Gateway to Online Degrees**

University of Louisiana at Monroe GOLD program is designed to enable adult learners to utilize the convenience and flexibility of online learning to earn a college degree. The opportunity to accelerate the process is offered through non-traditional course schedules of four and eight week sessions. There are a variety of degrees offered online. For a complete list of online degrees, visit the website at [www.ulm.edu/gold](http://www.ulm.edu/gold)

## **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.

### **Admission Requirements:**

- of at least sophomore year (10<sup>th</sup> grade) standing
- pursuing the Regents Core Curriculum
- minimum ACT composite score of 18
- minimum ACT subscore of 18 in English or 19 in mathematics
- Minimum 3.0 cumulative GPA
- 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 \$150 per 3-hour course.

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.

**Early Start (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 (10<sup>th</sup> grade) standing
- be pursuing the Regents /TOPS Core or the Louisiana Core 4 curriculum
- have a PLAN composite score of at least 18 or an ACT (or an equivalent SAT) composite score of at least 18 to enroll in a college degree course
- have a PLAN or ACT (or an equivalent SAT) English sub-score of at least 18 to enroll in an entry level English college degree course
- have a PLAN or ACT (or an equivalent SAT) mathematics sub-score of at least 19 to reenroll in an entry level mathematics college degree course

- have a minimum 3.0 cumulative gpa or a 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 with less than a 2.0 cumulative gpa are not eligible to participate in the Early Start (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 be enrolled in the high school course for a full year and complete all course with a grade of A or B. If a student is pursuing an academic endorsement to his or her diploma, acquiring college credits may satisfy one of the components of the endorsement.

Tuition for students enrolled in Early Start (dual enrollment) program classes will be \$150 per 3-hour course.

Students participating in the Early Start (dual enrollment) program are not allow to receive talent grants, academic scholarships or dependent fee waivers.

Students participating in the Early Start (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 George T. Walker Hall 1-122.

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 federal work study jobs for students while attending school. ULM has two employment programs – on-campus and off-campus opportunities.

For a detailed explanation of the federal programs and how they are processed, consult the ULM Financial Aid 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](http://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](http://www.pin.ed.gov)
- STEP 2. Complete the Free Application for Federal Student Aid (FAFSA). The FAFSA begins the process for financial assistance. The 2011-2012 FAFSA became available on-line after January 1st at [www.fafsa.ed.gov](http://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	1.7
30-59	1.85
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.**

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.

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

- ▶ Prolonged illness, medical condition, or injury to student or **immediate** family member
- ▶ Death of an **immediate** family member
- ▶ Extenuating Circumstances

Proper documentation will be required. Documentation may include:

- ▶ Physician's 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 on Student Self Service.
- ▶ Financial Aid will be awarded for the academic year on a probationary basis for appeal approvals.
- ▶ Student will be required to complete an Appeal Approval Agreement form.
- ▶ 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 his or her 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 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 DIRECT SUBSIDIZED 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 DIRECT UNSUBSIDIZED 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.

**THE ALTERNATIVE LOAN PROGRAM** is offered to students by lenders; however, the interest rates and loan terms vary from lender to lender. Therefore, it is a good idea to research these alternative loan programs before you apply. The loan amount awarded is not to exceed the Cost of Attendance (less other aid received). Students must apply on-line for this loan at <http://finaid.ulm.edu>. Click on Financial Aid for Fall 2010/Spring 2011 to see information concerning this type of loan. (**Note:** This loan should only be considered when your loan options for the Direct Loan program have been exhausted. A FAFSA must be completed before an alternative loan can be awarded.)

## 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](http://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. The listing of the jobs is on the Financial Aid website, <http://finaid.ulm.edu>. 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 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 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.

## CAREER CONNECTIONS AND EXPERIENTIAL EDUCATION

The ULM Office of Career Connections & Experiential Education (CCEE) works with students on career preparation and job search. From helping students find the right career, to writing a resume, to assisting with the job search, the staff of Career Connections is available to assist ULM students and alumni in their career development.

The Career Connections office offers assistance related to part-time employment, internships, and full-time job search. Various workshops, career fairs, and on-campus interviews are held throughout each semester. Career Connections also works with employers to make them aware of the type and quality of graduates ULM produces and to be constantly aware of current workforce requirements.

It is the goal of Career Connections to assist ULM students and alumni with job-related skills and facilitate their career development efforts.

## 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, and ULM Academic Recognition. 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:

#### Employee Fee Waiver Policy

<http://www.ulm.edu/hr/policies/employeeeclasspolicy.pdf> and the

#### Dependent Fee Waiver Policy

<http://www.ulm.edu/hr/policies/dependenttuitionfeeexemption.pdf>

#### Applications may be downloaded at

<http://www.ulm.edu/hr/policies/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 \$300 - \$500 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**

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 Jean, Marvin Memorial 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

*(Chemistry continued)*

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 G. Haynes Memorial Scholarship  
 Billy Wayne Heckford Memorial Scholarship  
 Mike Kees State Trooper Memorial Scholarship  
 Kinsey Memorial Fund  
 Paul Howard Kitchens Memorial Scholarship  
 Monroe Police Local 81 Scholarship in Criminal Justice  
 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

American Petroleum Institute, Custer K. Primos  
 Memorial Scholarship  
 E. W. and Gladys Brown Memorial Scholarship  
 The Kitty DeGree Scholarship Endowment  
 Desk & Derrick Club of Monroe Scholarship  
 Jim and Faye Haddox Scholarship Endowmen  
 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  
 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

### COMMUNICATIONS

Bob Anderson Faculty Development Fund  
 Barbara & James Baxter Faculty Development Fund  
 John A. and 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 G. Haynes Memorial Scholarship  
 Billy Wayne Heckford Memorial Scholarship  
 Johnnie Hollister Memorial Scholarship  
 Harry Lemert Fine Arts Scholarship  
 William Laffler 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  
 Billy G. Haynes Memorial Scholarship  
 Winton Mizell 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

## **BUSINESS ADMINISTRATION**

### **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

Nick Dimos College of Business Scholarship

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

J. Wayne Medley Endowed Memorial Scholarship

The Sis Barringer Myers - American Petroleum Institute  
Scholarship

Ouachita National Bank Education Trust Fund  
Scholarship

Ted D. Price Memorial Scholarship

David Robertson Personnel & Human Resources  
Scholarship

Southern Hardware & Supply / Marx Family Endowed  
Scholarship

H. Kirt Touchstone Jr. Memorial Scholarship

### **COMPUTER INFORMATION SYSTEMS**

Ruth Bruner Endowed Scholarship

Peggy Clark Memorial PSI Scholarship

John H. "Slim" Scogin Memorial Scholarship

### **COMPUTER SCIENCE**

Jon G. Camp 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**

Don and Jean Giffen Memorial Scholarship

Cotham Haddad Memorial Scholarship

### **SMALL BUSINESS DEVELOPMENT CENTER**

Camp Enterprise Endowment

## **EDUCATION & HUMAN DEVELOPMENT**

### **CURRICULUM AND INSTRUCTION**

Pat Williams Aswell Memorial Scholarship

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

Billy and Florinell Laird Family Scholarship Endowment  
in Education

James O. Lancaster Jr. Memorial Scholarship

John D. and Avis S. Ramsey Memorial Endowed  
Scholarship

Floy Antley Wilhite Memorial Scholarship

### **EDUCATION & HUMAN DEVELOPMENT**

Gertie Mae Allen and Eldrice H. Green Endowed  
Scholarship Fund

L. M. & C. C. Colvert Scholarship

The Kitty DeGree Scholarship Endowment  
 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

**DENTAL HYGIENE**

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

**HEALTH SCIENCES**

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

**MEDICAL LABORATORY SCIENCE**

Pilot Club of Monroe, Louisiana, Inc. Scholarship  
 John D. and Avis S. Ramsey Memorial  
 Endowed 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  
 Franciscan Missionaries Endowed Scholarship in  
 Nursing  
 Mauri Anne Hancock Memorial Nursing  
 Scholarship  
 Melissa G. Mahaffey Memorial Scholarship  
 Monroe District Nurses Association Scholarship  
 Endowment  
 The Sis Barringer Myers - American Petroleum Institute  
 Scholarship

Dorothy K. Page Memorial Nursing Scholarship  
 Pilot Club of Monroe, Louisiana, Inc. Scholarship  
 Ted D. Price Memorial Scholarship  
 Sam Rubin Jr. Memorial Nursing Scholarship  
 Carolyn Thom Sullivan Nursing Scholarship  
 Christine Taunton Scholarship in Nursing

**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  
 Cardinal Health Scholarship Endowment  
 Charles Daspit Memorial Scholarship  
 Fifth District Pharmaceutical Association Scholarship  
 Vincent Lomonte Memorial Scholarship  
 Evelyn MacKay Scholarship  
 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  
 Dean Thomas E. Murphy Water Ski Scholarship

**GENERAL / NON-SPECIFIC**

Abell Scholarship  
 Am Vets Post 66 Scholarship  
 T. W. Auger Memorial Scholarship  
 The Beta Nu Chapter of Sigma Tau Gamma Fraternity  
 Scholarship  
 Caddo/Bossier Alumni 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  
 First Generation Endowed Undergraduate 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  
 Kiwanis Club 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  
 Charles H. McDonald (Charlie Mac) ULM Retirees Scholarship  
 Anna Meyer Trust  
 George A. Miller Memorial Scholarship  
 Mitchiner - Gittinger Endowed Scholarship  
 Frances Morris Memorial Scholarship  
 L Club Children's Memorial Scholarship  
 Lake Oxford Memorial Scholarship  
 Otto E. Passman Scholarship  
 Renwick Family Foundation 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  
 Sherman - Jackson Endowed Scholarship  
 Spirit of the Warhawks Scholarship  
 Johnette Tollett Memorial  
 Elsie Webb Scholarship Endowment  
 Don Weems-31 Ambassador Endowed Scholarship  
 Jessie G. and Doniel B. Weil Memorial Endowed Scholarship  
 T. J. Williams Memorial Scholarship  
 Donald Holland Memorial Endowment  
 Winn Parish Scholarship

**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

**COMMUNICATION**

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

**MATHEMATICS**

The Kelly Mathematical Merit Scholarship

**MUSIC**

Christmas Madrigal Dinner Scholarship  
 Roger DiGiulian Memorial Scholarship  
 Roger Vernon Foss Memorial Music Education Scholarship  
 LA Federation of Music Clubs - Monroe District  
 Mac McClung Choral Award  
 Monroe Symphony League String Scholarship  
 Ernest and Jane Moran Music Education Scholarship

**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

**COMPUTER SCIENCE**

Jon G. Camp Memorial Scholarship

**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**

#### **DENTAL HYGIENE**

Dental Hygiene Scholarship Fund

#### **HEALTH SCIENCES**

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

#### **MEDICAL LABORATORY SCIENCE**

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

#### **NURSING**

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

#### **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

#### **SPEECH-LANGUAGE PATHOLOGY**

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

### **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 Fund  
Walgreen's Diversity 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  
Merrill David Pharmacy Student 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  
Harry Lemert High Twelve Award  
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  
Morehouse Parish Alumni Chapter Annual Scholarship

If you have any questions, please contact: Mary Schmeer  
(318) 342-6890 or email [fnds Scholarships@ulm.edu](mailto:fnds Scholarships@ulm.edu).

### **ATHLETICS**

#### **ATHLETIC/SCHOLARSHIPS**

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

## 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 ULM 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.

**DEPARTMENT OF RADIOLOGIC TECHNOLOGY AWARD OF EXCELLENCE:** 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 Pharmaceuticals, 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 OTA student who has performed at an outstanding level in all aspects of clinical practice.

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

**OUTSTANDING STUDENT IN OCCUPATIONAL THERAPY AWARD.** Awarded annually to the outstanding 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.

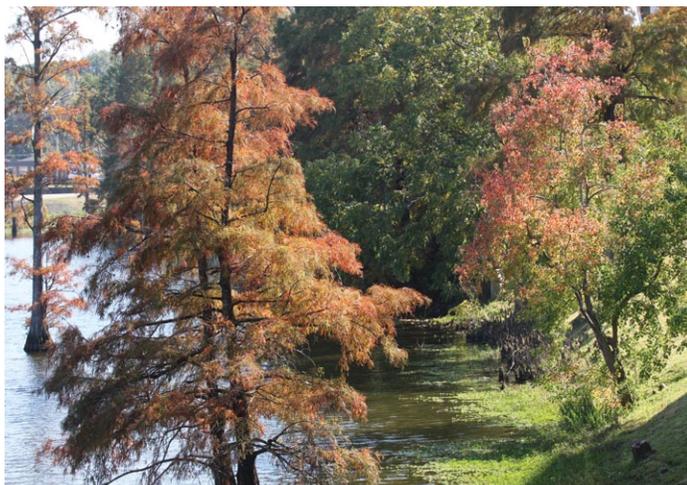
**GEORGE T. WALKER AWARD:** Awarded annually by the Athletic Committee to a senior athlete who has demonstrated excellence in scholarship, character, and leadership.

**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
- Counseling Center
- Project Educational Talent Search
- Project Upward Bound
- Recreational Services & Facilities
- Student Health Services
- Student Life and Leadership
- Student Services (Student Conduct)
- Student Union Building and Student Center
- 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 by offering high quality programs to meet the intellectual, cultural, vocational, social and personal needs of its students and the community. The mission statement for the Department is to provide the students, faculty, staff, and community with a friendly, fun, safe, and clean aquatic environment that offers a plethora of aquatic classes and an outlet to recreate and exercise on campus. Aquatic Services recognizes its responsibility as a community leader and is committed to improving the

general quality of life through recreational opportunities by sponsoring quality programs and creative activities that promote learning and improve the quality of life.

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 our canoes or paddle boats.

Every student is a member and can participate in all of our events. You will always be treated as a top priority. For additional information, check out our website [www.ulm.edu/natatorium](http://www.ulm.edu/natatorium) or contact us at 318-342-5315. We are located on Warhawk Way.

## **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.

## **PROJECT UPWARD BOUND**

Upward Bound is a federally funded program designed to assist low socio-economic status college-bound students with educational opportunities designed to enhance their ability to enroll in college. Upward Bound offers a variety of services including tutorials, campus academic workshops, counseling, ACT seminars, college tours, and financial aid workshops. Our target schools are Bastrop High School, Rayville High School, Carroll High School, Richwood High School, and Wossman High School.

## **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 (STUDENT CONDUCT)**

The Student Services (Student Conduct) 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/](http://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

ULM 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 through Banner Self Service on the web at <https://banner.ulm.edu/> 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 Banner Self Service account to pay online with a credit card.**

## DROP FOR NON-PAYMENT POLICY

All current and prior account balances must be paid in full by the fee deadline each semester or the student's classes will be dropped (also housing assignments will be cancelled if applicable). Paid in full means the student's account balance is zero or their memo and/or authorized aid is equal to or greater than their charges or the student has signed up for the University's payment plan.

## 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/](http://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 on-line 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.

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

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

**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.

**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.

**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.

## ON-CAMPUS MEAL PLAN CONTRACT

Plan	Cost	Flex	Meals
Gold*	\$1,205	\$ 50	Unlimited
Platinum	\$1,220	\$150	15/week
Silver	\$1,220	\$100	200/semester
*(Default Plan)			
Maroon	\$1,270	\$575	10/week
Village Apts	\$ 670	\$400	50/semester (block)
Commuter I	\$ 401	\$276	50/semester (block)
Commuter II	\$ 303	\$303	0
Summer Flex	\$ 320	\$320	0
Village Summer Flex	\$ 193	\$193	0

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 Warhawk ID Services 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 Gold Plan. Village Apartment residents will automatically be enrolled in the Village Apt Plan unless a standard meal plan is

chosen. 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, participating in internships, or moving into the residence halls at any point after the semester begins are required to pay for meals on a pro-rata basis according to days in residence.

At the twenty-first (21st) class day, students with an unpaid balance on their Banner Self Service Account will have their meal plans automatically adjusted to the Gold 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 Warhawk ID Services (ph: 318-342-5003) to sign up for your plan or for any additional meal plan information.

## HOUSING AND LIVING ACCOMMODATIONS

Campus housing is under the Division of Business Affairs and the Department of Residential Life. First-time freshmen and new transfer students will receive necessary information to access the online Housing Application after they have been accepted to the University. Continuing students will have access to the online application during the room sign up period spring semester.

A \$25 non-refundable application fee and a \$200 room reservation fee must accompany each housing application for first-time freshmen and new transfer students. Current residents, who re-apply for their housing, will pay a \$50 room reservation fee and a \$150 prepayment of their fall housing. 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 of \$50 must be paid each subsequent 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

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. Both documents are located on the Residential Life website at [www.ulm.edu/residential-life](http://www.ulm.edu/residential-life).

ULM has an established GPA requirement; therefore all students residing in Madison Hall, Masur Hall, Ouachita Hall, University Commons I and University Commons II must maintain at least a 2.0 cumulative GPA at all times. The Bayou Village Apartments has a required 2.3 cumulative GPA and a 24 earned hours requirement; the Health Science section of University Commons II has a required 3.0 cumulative GPA and Bayou Suites which is the scholar's hall has a 3.5 cumulative GPA for first time freshmen and a 3.3 cumulative GPA for continuing and transfer students.

## AVAILABLE HOUSING

There are many different styles of housing available. Ouachita Hall and Masur Hall South are female only suites and Madison Hall is a male only suite style building. Masur Hall North, University Commons I, University Commons II and Bayou suites are co-ed within the building but they are the same gender within a suite or by floor. The Bayou Village Apartments are co-ed buildings and floors but same gender within the apartment. Ouachita Hall, Madison Hall, Masur Hall are double occupancy suites with shared bathrooms. University Commons I is a double occupancy room with a shared bathroom. University Commons II and Bayou Suites are private bedroom suites with a shared bathroom. The apartments are 1 bedroom/1 bathroom, two bedroom/2 bathrooms and four bedroom/2 bathrooms with each person having a private bedroom.

## AMENITIES

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.

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 residence halls and apartments adhere to the University "no smoking" policy. Students may smoke in designated areas but not in their rooms. For health and safety reasons pets of any kind are not permitted in the residence halls or apartments at anytime or for any reason.

## 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 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 in person 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. Applications must be submitted 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 University-endorsed allowable exemptions are:

1. Students TWENTY-ONE (21) years of age or older.
2. Students living with a parent, grandparent, married sibling or legal guardian in permanent housing within 50-miles of Monroe. Neither rented nor leased apartments, townhouses or condos meet this requirement unless the property is owned by the student or his/her parents. These are the only familial relations recognized by the University and the student must submit notarized letters of permission from both the relative and the parents.
3. Students living in property they themselves own or in property owned by the student's immediate family. A copy of the deed, bill of sale, or title must be submitted along with a utility receipt.
4. Students classified as veterans with at least twenty-four (24) months active duty. A Form DD-214 must be submitted.
5. Students with a severe medical problem. A letter from the student's physician must be submitted. Asthma and allergies are not generally considered to be a severe medical condition and are specifically excluded.
6. If you are a part-time student. A form must be signed in the Office of Auxiliary Enterprises.
7. 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 to the Housing Appeals Committee. Please note that decisions rendered by the Housing Appeals Committee will be final.

## 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 locations and concession outlets, the University Bookstore, athletic events, University Library copiers, University Library fines, automated beverage and snack vending machines, laundry machines, and a growing list of off-campus merchants and other vendors.

Warhawk Express works like a stored value or gift card, without the monthly bill. Deposits are made online at the time of registration using Banner Self Service prior to the fee payment deadline or after the fee payment deadline, 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 or on the receipt so the card-bearer will always know what their balance is. Unlike Flex-Dollars for use only at any of Aramark's retail dining facilities, Warhawk Express may be used anywhere Warhawk Express is accepted and 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 may 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 Warhawk ID Services 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 the student's 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](http://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 \$12.00 per volume and \$65 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 School 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.

## DROP FOR NON-PAYMENT POLICY

All current and prior account balances must be paid in full by the fee deadline each semester or the student's classes will be dropped (also housing assignments will be cancelled if applicable). Paid in full means the student's account balance is zero or their memo and/or authorized

aid is equal to or greater than their charges or the student has signed up for the University's payment plan.

## 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 RESIGNATION REFUND POLICY - FALL AND SPRING

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 fourteenth day of classes to be eligible for a reduction of fees.**

1. A **100%** refund will be made when a student completes resignation on or before the last day of late registration (per University calendar dates).
2. A **90%** refund will be made when a student completes resignation after the last day of late registration (per University calendar dates) through the **eighth (8th)** day of classes in a regular semester.
3. A **50%** refund will be made when a student completes resignation during the period of the **ninth (9th)** day through the **fourteenth (14th)** day of classes in a regular semester.

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.

## TUITION AND FEES REFUND POLICY – SUMMER

A student who drops from classes from any part of the Summer term will be given a 100% refund through the second day of class only. No further refunds for resignations are applicable. 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.

## 2011-2012 FALL AND SPRING SEMESTERS TUITION AND REQUIRED FEES

UNDERGRADUATE STUDENTS	Residents
	Tuition & Required Fees
12 hours AND ABOVE	\$2,550.45
11 hours	\$2,379.45
10 hours	\$2,219.45
9 hours	\$2,059.45
8 hours	\$1,898.45
7 hours	\$1,738.45
6 hours	\$1,578.45
5 hours	\$1,418.45
4 hours	\$1,259.45
3 hours	\$ 789.00
2 hours	\$ 580.00
1 hour	\$ 420.00

Nonresidents		
Tuition & Required Fees	Nonresident Fee	Total
\$2,550.45	\$3,973.00	\$6,523.45
\$2,379.45	\$3,642.00	\$6,021.45
\$2,219.45	\$3,311.00	\$5,530.45
\$2,059.45	\$2,980.00	\$5,039.45
\$1,898.45	\$2,649.00	\$4,547.45
\$1,738.45	\$2,317.00	\$4,055.45
\$1,578.45	\$ -	\$1,578.45
\$1,418.45	\$ -	\$1,418.45
\$1,259.45	\$ -	\$1,259.45
\$ 789.00	\$ -	\$ 789.00
\$ 580.00	\$ -	\$ 580.00
\$ 420.00	\$ -	\$ 420.00

### Pharmacy Professional Doctorate Students - PHARM D

12 hours AND ABOVE Includes \$4650 Professional Fee	\$8,763.45	\$8,763.45	\$6,643.00	\$15,406.45
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Undergraduate Part of Term II and Winter will be charged \$171.00 per hour.

GRADUATE STUDENTS	Residents
	Tuition & Required Fees
12 hours AND ABOVE	\$2,529.45
11 hours	\$2,502.45
10 hours	\$2,475.45
9 hours	\$2,448.45
8 hours	\$2,229.45
7 hours	\$2,028.45
6 hours	\$1,827.45
5 hours	\$1,625.45
4 hours	\$1,424.45
3 hours	\$ 910.00
2 hours	\$ 664.00
1 hour	\$ 463.00

Nonresidents		
Tuition & Required Fees	Nonresident Fee	Total
\$2,529.45	\$3,977.00	\$6,506.45
\$2,502.45	\$3,977.00	\$6,479.45
\$2,475.45	\$3,977.00	\$6,452.45
\$2,448.45	\$3,977.00	\$6,425.45
\$2,229.45	\$3,535.00	\$5,764.45
\$2,028.45	\$3,093.00	\$5,121.45
\$1,827.45	\$2,651.00	\$4,478.45
\$1,625.45	\$2,209.00	\$3,834.45
\$1,424.45	\$1,767.00	\$3,191.45
\$ 910.00	\$ -	\$ 910.00
\$ 664.00	\$ -	\$ 664.00
\$ 463.00	\$ -	\$ 463.00

Graduate Part of Term II and Winter will be charged \$217.00 per hour.

# 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.*

## 2011-2012 SUMMER PART OF TERM 1 AND 10 WEEK FULL TERM

GRADUATE STUDENTS	Residents
	Tuition & Required Fees
12 hours AND ABOVE	\$2,012.41
11 hours	\$1,985.41
10 hours	\$1,958.41
9 hours	\$1,931.41
8 hours	\$1,746.86
7 hours	\$1,563.71
6 hours	\$1,380.56
5 hours	\$1,197.41
4 hours	\$ 1,014.81
3 hours	\$ 742.64
2 hours	\$ 502.69
1 hour	\$ 319.54

Nonresidents		
Tuition & Required Fees	Nonresident Fee	Total
\$2,012.41	\$3,648.45	\$5,660.86
\$1,985.41	\$3,648.45	\$5,633.86
\$1,958.41	\$3,648.45	\$5,606.86
\$1,931.41	\$3,648.45	\$5,579.86
\$1,746.86	\$3,243.06	\$4,989.92
\$1,563.71	\$2,837.68	\$4,401.39
\$1,380.56	\$2,432.29	\$3,812.85
\$1,197.41	\$2,026.91	\$3,224.32
\$1,014.81	\$1,621.53	\$2,636.34
\$ 742.64	\$ -	\$ 742.64
\$ 502.69	\$ -	\$ 502.69
\$ 319.54	\$ -	\$ 319.54

Graduate Summer Part of Term II and Maymester will be charged \$271.00 per hour

## 2011-2012 SUMMER PART OF TERM 1 AND 10 WEEK FULL TERM

UNDERGRADUATE STUDENTS	Residents
	Tuition & Required Fees
12 hours AND ABOVE	\$2,023.26
11 hours	\$1,882.16
10 hours	\$1,736.96
9 hours	\$1,591.76
8 hours	\$1,446.01
7 hours	\$1,300.26
6 hours	\$1,155.06
5 hours	\$ 1,009.31
4 hours	\$ 864.66
3 hours	\$ 630.44
2 hours	\$ 427.34
1 hour	\$ 282.14

Nonresidents		
Tuition & Required Fees	Nonresident Fee	Total
\$2,023.26	\$3,644.76	\$5,668.02
\$1,882.16	\$3,341.03	\$5,223.19
\$1,736.96	\$3,037.31	\$4,774.27
\$1,591.76	\$2,733.58	\$4,325.34
\$1,446.01	\$2,429.85	\$3,875.86
\$1,300.26	\$2,126.11	\$3,426.37
\$1,155.06	\$ -	\$1,155.06
\$ 1,009.31	\$ -	\$ 1,009.31
\$ 864.66	\$ -	\$ 864.66
\$ 630.44	\$ -	\$ 630.44
\$ 427.34	\$ -	\$ 427.34
\$ 282.14	\$ -	\$ 282.14

Undergrad Summer Part of Term II and Maymester will be charged \$171.00 per hour

### Pharmacy Professional Doctorate Students - PHARM D

12 hours AND ABOVE Includes \$3500 Professional Fee	\$7,595.46	\$7,595.46	\$6,094.20	\$13,689.66
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# 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.*

## 2011-2012 FALL AND SPRING SEMESTERS PROFESSIONAL PROGRAM FEES

Medical Laboratory Science	\$250.00	Pharmacy - PHARM D	\$4,650.00
Dental Hygiene	\$250.00	Pharmacy - Graduate	\$100.00
Marriage and Family Therapy	\$250.00	Radiologic Technology	\$250.00
Nursing	\$250.00	Speech-Language Pathology	\$250.00
Nursing Testing Fee	\$ 60.00	Toxicology	\$250.00
Occupational Therapy	\$ 250.00		

## 2011-2012 SUMMER PROFESSIONAL PROGRAM FEES

Medical Laboratory Science	\$125.00	Pharmacy - PHARM D	\$4,650.00
Dental Hygiene	\$125.00	Pharmacy - Graduate	\$100.00
Marriage and Family Therapy	\$125.00	Radiologic Technology	\$125.00
Nursing	\$125.00	Speech-Language Pathology	\$125.00
Nursing Testing Fee	\$125.00	Toxicology	\$125.00
Occupational Therapy	\$125.00		



# 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 <http://www.ulm.edu/>. 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.

## 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.

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 through the ULM Testing Center or similar facility that has been approved by the Director of Testing at ULM. Exams must be taken prior to the semester in which the student is scheduled to graduate. All requests 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, must be coordinated and approved through ULM testing services at [testing@ulm.edu](mailto:testing@ulm.edu). If the exam is not proctored by authorized University of Louisiana at Monroe staff, 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](http://testing.ulm.edu).

### **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](http://www.actstudent.org) or [www.collegeboard.com](http://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](http://testing.ulm.edu).

### **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](http://www.apcentral.collegeboard.com). The University of Louisiana at Monroe AP credit granting policy is available at [testing.ulm.edu](http://testing.ulm.edu).

### **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. (CLEP General Examinations are not accepted for credit at the University of Louisiana at Monroe.) CLEP exams must be taken prior to the semester in which the student is scheduled to graduate. Students must satisfy any developmental requirements before taking a math or English CLEP exam. CLEP examinations are administered throughout the year at the University of Louisiana at Monroe. 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](http://testing.ulm.edu). Information concerning CLEP tests, including study materials, is available at [www.collegeboard.com/clep](http://www.collegeboard.com/clep).

### **5. Dantes Standardized Subject Tests**

Credit will be granted for appropriate courses based on satisfactory scores on Dantes Standardized Subject Tests (DSST) that have been approved for credit at the University of Louisiana at Monroe. DSST exams must be taken prior to the semester in which to student is scheduled to graduate. DSST exams are administered throughout the year at the University of Louisiana at Monroe. Students must have official DSST scores sent directly from DSST to the University of Louisiana at Monroe. The DSST college code for ULM is 9837. Military

service veterans who took DSST as part of the DANTES program must have DSST subject scores reported directly to the University from DANTES. The University of Louisiana at Monroe DSST credit granting policy, a list of approved DSST exams, and registration forms are available at [testing.ulm.edu](http://testing.ulm.edu). Information concerning DSST, including study materials, is available at [www.getcollegecredit.com](http://www.getcollegecredit.com).

## 6. 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.

## 7. 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.

## 8. English Department Diagnostic/Placement Essay and Challenge Exam

English 0090 Students who demonstrate outstanding performance on the English departmental diagnostic essay, as determined by a panel of evaluators, may be exempted from English 0090 (Grammar and Composition) and allowed to enroll in English 1001. English 1001 students who demonstrate unreadiness for English 1001 on the English department diagnostic essay, as determined by a panel of evaluators, may be required to take or repeat English 0090.

Upon satisfactory completion of coursework in English 0090, a student may petition for credit for English 1001 based upon a challenge exam constructed and evaluated by a panel of English faculty. This credit is 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.

## 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: 0000-0099, developmental courses; 1000 to 1099, freshman; 2000 to 2099, sophomore; 3000 to 3099, junior; 4000 to 4099, senior; 5000 to 5099, graduate; 6000 to 7099, courses beyond the Master's level. Certain courses in the 4000 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

ULM schedules courses in three terms during the academic year: fall (16 weeks), spring (16 weeks), and summer (ten weeks). Each term may include course offerings within shorter parts of terms, including first eight-week sessions, second eight-week sessions, intersessions (three weeks), Summer I sessions (four weeks), and Summer II sessions (four weeks). Students

are not normally allowed to take more than 18 semester hours during a term or more than six semester hours in any part-of-term less than ten weeks. Under special circumstances, students with a cumulative GPA of at least 3.25 may request an extension of this limit to 21 semester hours through the Registrar's Office. Other students with special circumstances may request a similar extension through their dean's office.

Undergraduate students registered for six or more hours of student teaching are limited to 15 semester hours in a term except as approved by the Dean of the College of Education and Human Development.

Undergraduate students who schedule 12 or more semester hours for credit during a term are considered full time students. Audited courses are excluded from these totals. Because other agencies may define full-time status differently, students who receive any type of financial aid (including aid awarded by the Veterans Administration or other agencies) are encouraged to contact the respective agency to determine the number of semester hours required to receive that aid.

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

## 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 exam) 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 a 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 0090 and Mathematics 0093.

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 graduation average is not printed on the official academic transcript.

**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 the summer term of attendance. “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 and/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**

Questions related to grading or other matters of an academic nature may be directed to the student’s instructor. Failing satisfactory resolution at this level, the questions should be referred, in order, to the 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. The Student Policy Manual is also on-line at [http://www.ulm.edu/student\\_policy](http://www.ulm.edu/student_policy).

## **GRADE REPORTS**

End-of-the-semester grades are generally available by the end of the fourth working day of each enrollment period. Students should visit Banner Self Service <https://banner.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 Banner Self Service website <https://banner.ulm.edu/> 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 for any reason (e.g., divorce, marriage, adoption, legal name change) must present an original Social Security card bearing the desired name, in addition to completing a “Name Change” form, to the Registrar’s Office; presenting a copy of the card is not acceptable. No other document or form of identification will be accepted in lieu of the Social Security card.

Further, only name as it appears on the Social Security card will become part of the student’s ULM record. The name on the ULM record will reflect the name exactly as it appears on the Social Security card.

## **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 Office of Student Services will make every effort to inform

the faculty member concerning class absences on behalf of the student in these instances.

NOTE: During pre-registration, a student's currently enrolled hours are used to determine classification for registration.

## ONLINE ATTENDANCE POLICY

1. Students are required to log in to each online course by the second day during the week in which the course officially begins, or the day of enrollment during late registration to complete the initial introductory postings required in the course.
2. Logging in to an online course constitutes a start and assumes the intention to complete the course.
3. Students must log in at least one additional day during the first week of the course. Students must log in on two separate days each subsequent week of the course to meet attendance requirements or as specified in the syllabus. Nonattendance may affect financial aid.
4. Students withdrawn due to nonattendance will be permitted to return no sooner than the beginning of the next semester.
5. Students may appeal if they feel an error has been made in their attendance calculation as outlined in the University Regulations Procedure for Appealing a Grade.
6. Students are strongly advised to check e-mail daily, excluding weekends, for full term fall and spring courses.

## 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

(non-designated)

B - Bachelor

(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 online via Banner Self Service at <https://banner.ulm.edu/>, unless pre-requisite 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 any 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 notify the Registrar's Office in writing [by completion of resignation form obtained in the Registrar's Office, by letter, or by faxed letter] of his/her wish to resign (see Registration Schedule Calendar for deadlines).

Students may drop courses or resign 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 ULM Schedule of Classes. Students who have extraordinary cases with extenuating circumstances may submit a letter of appeal to their academic dean, 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.

## PRIVILEGE TO CONTINUE ENROLLMENT IN TERMINATED PROGRAMS

Periodically, programs/curricula are terminated either by Board mandate or University request. In those cases, students are allowed to continue in the programs ONLY IF they maintain continuous enrollment in the program (fall and spring; summer term excluded) AND make progress toward the degree program by earning credit toward the degree. Therefore, any failure to register and earn credit toward the degree in a regular semester will result in a mandatory change of curriculum to an active program.

## 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 dean/associate dean of their new college. A Change of Curriculum Request form must be used, and the proposed change is not official until the required approval has been obtained and the slip has been filed in the Registrar's Office.

Once the Change of Curriculum Request Form is on file in the Registrar's Office, the change becomes effective immediately. The new catalog year will be the catalog year in effect when the change is submitted. The student will be subject to regulations of the new catalog. **EXCEPTION:** Any change of curriculum which involves a change into or out of a program with a program-related fee (usually professional programs) will be effective the next term of enrollment.

If participation in specific programs (e.g., intercollegiate athletics, Veterans Affairs) and/or receipt of financial aid/scholarships is based on the student's current curriculum, the student's eligibility may be adversely affected. Students in these circumstances should first consult with the appropriate University advisor prior to submitting the curriculum change.

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. **EXCEPTIONS:** 1) Teacher education majors or 2) students who change to the distance learning mode of delivery for the exact same curriculum.

## 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 below a 2.0.

1. Once on academic probation, a student will remain on probation (as long as each semester or summer term 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 term 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 term, 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. To ensure minimal or no loss of credits upon return to the university, it is recommended that the student consult with his/her university advisor regarding the choice of courses to be taken at 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 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. A student who has earned a degree cannot declare academic renewal if any of the coursework to be considered in academic renewal was earned prior to receipt of a degree. 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 will also 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).

A student who has declared Academic Renewal is not eligible for honors recognition upon graduation.

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. Deadlines to apply for graduation are published in the official academic calendar and the ULM class schedule calendar. Students should review the class schedule calendar for their expected term of graduation for specific deadline. 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, provided they maintain continuous enrollment 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 major credit hour courses and one third of the minor credit hour courses 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 1001, 1002, and the first non-developmental mathematics course required in the major field.
5. Be present for commencement unless the student notifies the Registrar's Office that he/she will not participate in the ceremony.
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.
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

Students receiving Baccalaureate and Doctor of Pharmacy degrees will be awarded Latin honors in accordance with the following guidelines:

- *Cum Laude* — awarded to students whose cumulative grade point average is within the range of 3.500 through 3.749
- *Magna Cum Laude* — awarded to students whose cumulative grade point average is within the range of 3.750 through 3.899

- *Summa Cum Laude* — awarded to students whose cumulative grade point average is within the range of 3.900 through 4.000

The distinctive *Top Graduate* status at graduation is bestowed upon the Baccalaureate and/or Doctor of Pharmacy degree graduate(s) with the highest cumulative grade point average.

Students receiving their first associate degree from ULM will be awarded University honors in accordance with the following guidelines:

- *Honors* — awarded to students whose cumulative grade point average is within the range of 3.500 through 3.799
- *High Honors* — awarded to students whose cumulative grade point average is within the range of 3.800 through 4.000

The cumulative average is the uncorrected average figured on all courses attempted, which includes ULM, transfer, and repeated courses. A letter grade equivalent must be determined for credit (CR) grades awarded to a student for international transfer coursework in order for the student to receive honors at graduation. A student who has declared Academic Renewal is not eligible for honors recognition at graduation.

## 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 who wish to earn a second major may do so by successfully completing all courses required for the second major as specified in this catalog, provided both the primary and secondary majors lead to the same baccalaureate degree (e.g., B.A., B.B.A., B.S.). Supporting courses will not be required. Work for the second major must be of the same quality as that required for the first. As required by the Board of Regents, a student's diploma will reflect only the degree designation (e.g., Bachelor of Science.) The degree designation, as well as both majors, will appear on the student's transcript.

## 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.

## 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
- HIV Testing
- 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](http://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 tests for admission, certification, correspondence/independent study, course placement, and credit by examination. The Testing Center offers CLEP, DSST, GRE, HOBET, MCAT, PRAXIS, TOEFL, correspondence/independent study, and placement exams on scheduled test days. 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 the student's enrollment status at ULM. It is recommended that students schedule their exams a minimum of 4-6 weeks in advance to ensure receipt of scores before individual program deadlines.

Contact the Testing Center (Sandel 225, 318-342-5336, or [testing@ulm.edu](mailto:testing@ulm.edu)) or visit the Testing Center website ([www.ulm.edu/testing](http://www.ulm.edu/testing)) for additional information.

## 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.

Students, faculty, and staff must register their vehicle, and pay all fines for traffic citation, together with any administrative fee which may be assessed.

## VETERANS AFFAIRS

Located in Administration 1-109, the ULM's Office of Veterans Affairs assists all veterans and dependents in establishing eligibility to receive veterans' education benefits at ULM.

First-time applicants must submit an application for benefits to the Regional Processing Office (RPO), which is located in Muskogee, OK. A veteran can apply online for benefits at the GI Bill website or via a paper application that is available in the ULM Veterans Affairs office. After a processing time of approximately 8-12 weeks, the veteran will receive a letter stating his/her eligibility status. The letter must be submitted to the ULM Veterans Affairs office in order that the office may retain a copy. Additionally, there are other required forms to be completed in the VA office.

Transfer students who have used their benefits at another institution must complete transfer forms 22-1995 (Request for Change of Program or Place of Training) or

22-5495 (Dependents' Request for Change of Program or Place of Training). Both forms can be obtained in the VA office on campus.

All students are required to complete pre-enrollment certification sheets for each semester/term for which they are requesting payment.

It is the responsibility of the student to inform the ULM VA Office if any of the following occurs: 1) curriculum change which may affect eligibility of current courses' applicability to the new degree program; 2) any change in course load which would change the student's status to full-time or reduce status to less than full-time; and 3) any resignation for a term of enrollment at ULM. These changes may affect a student's VA benefits and could result in the student's being required to repay funds to the Veterans Administration.

National Guard students who receive the state exemption to pay their tuition cannot be on probation and must call 1-225-255-8304.

Dependents of disabled or deceased veterans who are eligible to receive the state exemption must present their original stamped certificate to Student Account Services, Admn. 1-5.

For more information, please visit the VA's websites:

<http://www.gibill.va.gov> (main web-site)

[http://www.gibill.va.gov/GI\\_Bill\\_Info/How\\_to\\_Apply.htm](http://www.gibill.va.gov/GI_Bill_Info/How_to_Apply.htm) (information on applying for benefits)

## 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.

Visit <http://ulmwarhawks.com/> for more information.

## ULM ORGANIZATION DIRECTORY 2010-2011

### 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, Chi Sigma Iota, 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 Medical Laboratory Science Honor Society, Mortar Board National College Senior Honor Society, Mu Kappa Tau, 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, Pi Sigma Alpha, Psi Chi, Rho Chi Society, Sigma Delta Pi, Sigma Gamma Epsilon, Sigma Lambda Chi, Sigma Tau Delta, Sigma Theta Tau, Tau Beta Sigma Honorary Band Sorority

### Leadership and Service

31 Ambassadors, Campus Activities Board, Hawk Seekers, Hometown Hawks, PREP Staff, Student Government Association

### Multicultural

Interdemoninational Ensemble, International Students Association, National Association for the Advancement of Colored People (NAACP), Phi Tau Gamma

### Professional

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, Medical 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, Omicron Delta Epsilon, Pharmacy Student Council, Phi Beta Lambda, Phi Delta Chi, Phi Delta Kappa, Phi Mu Alpha Sinfonia, Pi Sigma Epsilon, Pre-Pharmacy Organization, Public Relations Student Society of America, Society of Professional Journalists, Society for Excellence in Economics, Student LA Early Childhood Association, Student Nurses Association, Student Social Work Association, Tau Omicron Chi, ULM Construction GUILD, ULM Pre-Law Association, ULM Student Chapter of American Association of Pharmaceutical Scientists

### Publication

Chacahoula, KXUL Radio, The Hawkeye, The Helicon

### Recreational

Soccer Club, ULM Water Ski Team, Warhawk Flight Team

### Religious

Baptist Collegiate Ministry, Catholic Campus Ministry, Chi Alpha Christian Fellowship, CONNECT, Fellowship of Christian Athletes, GRC Campus Ministry, Jewish Students Association, Latter-Day Saint Student Association, Muslim Students Association, Thrive Ministries, Trinity Lutheran Campus Outreach, Warhawks for Christ, Wesley Foundation

### Special Interest

Amnesty International ULM, Ancient World Association, College Democrats, College Republicans, English Studies Society, Healthy Hawks, Health Studies Student Association, Honors Program, Non-Traditional Student Organization, Sociology Club, Speech & Debate Forum, Philosophy Symposium, Track Phi Track, ULM Advocates for Equality, ULM Venturers Club, Upsilon Lambda

### Spirit Groups

Cheerleaders, Hawk Line, Pom Line, 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; Casino Night; and Leadership Workshop Series.

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 Documented obstruction, disruption or interference of teaching, research, administration, disciplinary procedures or University-authorized activities or events.
- 5.03:13 Documented 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, offensive, or obscene behavior or the distribution of obscene or offensive matter on or off 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 Student Conduct 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 responsible, 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 by completing the Classroom Incident Form to the Office of Student Services (Student Conduct). The Office of Student Services (Student Conduct) (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 Student Conduct 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, or, 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 (Student Conduct).

### 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 or student organization 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. Discretionary Sanctions—If the student or student organization is found responsible for violations of the Code of Student Conduct, the following censures may be applied: a) Notification of parents and/or guardians; b) Letter of apology; c) Conflict resolution session(s)
- 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, ULM Marriage and Family Therapy Clinic, ULM Leadership and Educational Counseling Center, by the Office of Student Services (Student Conduct) designee or by a specified 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. Based on the review and advisement of the university counselor, the student may be required to be evaluated by an off-campus licensed mental health professional. Accordingly, the evaluation results will be reviewed and a determination made for continued enrollment by the advisement of the ULM Counseling Center Director and the Office of Student Services (Student Conduct) designee. The student or student organization members are 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 to 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 to 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(s) 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 an academic 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 an academic 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. In certain circumstances, the Office of Student Services (Student Conduct) designee may impose a University or residence hall suspension **prior to an appeal hearing**. Living on campus is a privilege, not a right. The University reserves the right to terminate this privilege, at a time, for inappropriate behavior by a student.
1. Interim suspension may be imposed:
    - a. To ensure the safety and well being of members of the University community or preservation of University property;
    - b. To ensure the student's physical or emotional safety or well being; or,
    - c. If the student poses a threat of disruption of or interference with normal University operations.

2. During the interim suspension the designee of Student Services (Student Conduct) may deny the student access to any or all of the following: residence halls; the campus (including classes), and/or; all other University activities and/or privileges for which the student might otherwise be eligible.
- 6.01:21. Dismissal from the University—Suspension for an indefinite period of time and ***banned from the university***.
- 6.01:22. Expulsion from the University—Permanent separation from the University and ***banned 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 <http://www.ulm.edu/studentaffairs/judicial.html>. 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 AFFILIATES 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.

To support the ULM Alumni Association, to update your alumni record, or for more information on membership benefits, check our website at: [www.ulm.edu/alumni](http://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 student recruitment, student scholarships, faculty and staff development, and financial aid.

A 35-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 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 prioritized initiatives of the University.

### Other ways of giving to ULM include:

- \* Cash Gifts
- \* Memorials and Honoraria
- \* Programs and Securities Gifts
- \* Will Bequests
- \* Naming Opportunities
- \* Estate Gifts
- \* Major Gifts
- \* Real Estate Gifts
- \* Gift Annuities
- \* Charitable Trusts

To learn more about ULM's needs, reasons to give, and levels of giving, check our website at: [www.ulm.edu/supportulm](http://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, fund scholarships, and support upgrades and maintenance of athletic facilities.

For more information on methods of giving and membership levels and benefits, check our website at: <http://gowarhawks.net/>

## 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.

## PUBLIC INFORMATION

The Office of Public Information 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

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

Dr. William G. McCown, Interim Director  
George T. Walker Hall, Room 2-37

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 pdf format @ <http://www.ulm.edu/academics/catalogs/>. Degrees may be earned in the majors listed below.

### Graduate Programs and Degrees

#### Master of Arts

Communication  
Criminal Justice  
English  
Gerontology  
History  
Marriage and Family Therapy  
(CACREP and COAMFTE Accredited)

#### Master of Arts in Teaching

Elementary Education (Gr. 1-5)  
Elementary Education Inclusive (Gr. 1-5)  
Multiple Levels (Gr. K-12)  
Secondary Education (Gr. 6-12)  
Secondary Education Inclusive (Gr. 6-12)

#### Master of Business Administration

Business Administration

#### Master of Education

Curriculum & Instruction  
Concentrations:  
Early Childhood  
Elementary Education  
English as a Second Language  
Middle School Education  
Reading  
Secondary Education  
Special Education - Academically Gifted  
Special Education - Early Intervention  
Special Education - Educational Diagnostics  
Special Education - Mild/Moderate Disabilities  
Educational Leadership  
Educational Technology Leadership

**Master of Science**

- Biology
- Clinical Mental Health Counseling
- Concentrations:
  - Clinical Mental Health Counseling
  - Gerocounseling
  - School Counseling
- Exercise Science
- Psychology
- Speech-Language Pathology

**Doctor of Education**

- Curriculum and Instruction

**Doctor of Philosophy**

- Marriage and Family Therapy  
(COAMFTE Accredited)
- Marriage and Family Therapy  
(Non-clinical Concentration in  
Creative Systemic Studies)
- Pharmacy

**Professional Degrees**

- Doctor of Pharmacy

**Post-Baccalaureate Certificate**

- Gerontological Studies



# 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 66). 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><b>University Seminar (1 Hour)</b> 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 and to adjust responsibility to the individual and interpersonal challenges presented by collegiate life.</p>

REQUIREMENTS	DETAILS		
<p><b>Core English Composition 6 Hours</b> ENGL 1001 ENGL 1002</p>	<p>The goal of these introductory composition courses is to encourage the development of proficiency in writing.</p>		
<p><b>Core Humanities 9 Hours</b> ENGL 2003, 2004 (World) 2005, 2006 (U.S.) HIST 1011, 1012 (World) 2001, 2002 (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><b>Core Fine Arts 3 Hours</b> Art 1009, 2001, 2002, 4011* Dance 3001 Music 1001, 1091 Music Education 3035* Theater 1091</p> <p>Choose one from the above list. *Art 4011 and Music Education 3035 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><b>Core Mathematics 6 Hours</b> Math 1011, 1012, 1013, 1014, 1016, 1018, 1031, 1032</p> <p>Six hours of approved mathematics classes from the 1000 level or higher must be selected from the above list.</p>	<p>Students may not use both Math 1014 and Math 1031 to satisfy the mathematics core requirement. Students may not use both Math 1012 and 1013 to satisfy the mathematics core requirement.</p>		
<p><b>Core Natural/Physical Sciences 9 Hours</b> Biology 1001, 1010; 1020, 1022; 1014, 1015 Atmospheric Sciences 1001, 1002 Chemistry 1001, 1002; 1007, 1008 Geology 1001, 1002 Physics 2003, 2004; 2007, 2008 Physical Science 1001, 1002</p> <p>*Integrated Science courses are for Elementary Education majors only.</p> <p>Physics 2001 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><b>Core Social Sciences 6 Hours</b></p> <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top;"> <p><i>Group I:</i> Economics 1003 Geography 1001 or 1002 Political Science 1001 Sociology 1001 or 1002 **Honors Social Science 3001</p> </td> <td style="vertical-align: top;"> <p><i>Group II:</i> Economics 2001 *Psychology 2001 Political Science 2001 Anthropology 2007 **Honors Social Science 3001</p> </td> </tr> </table> <p>*Note: Psychology 2001 and 2003 or 2005 may be used to satisfy this requirement for Education majors.</p> <p>**Note: Due to the variety of topics covered by this class Group determination will vary. Students taking HONR 3001 for 6 hrs of Social Science credit must gain approval from both ULM Honors Council and degree College to verify variation in disciplines.</p>	<p><i>Group I:</i> Economics 1003 Geography 1001 or 1002 Political Science 1001 Sociology 1001 or 1002 **Honors Social Science 3001</p>	<p><i>Group II:</i> Economics 2001 *Psychology 2001 Political Science 2001 Anthropology 2007 **Honors Social Science 3001</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 1003 Geography 1001 or 1002 Political Science 1001 Sociology 1001 or 1002 **Honors Social Science 3001</p>	<p><i>Group II:</i> Economics 2001 *Psychology 2001 Political Science 2001 Anthropology 2007 **Honors Social Science 3001</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 University 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 1013 and 1031 must be taken by Computer Science majors, then the requirement will be listed as

"Mathematics 1013<sup>cm</sup>, 1031<sup>cm</sup>". 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

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

JEFFREY D. CASS, *Dean*  
George T. Walker Hall, Room 1-45

## ACADEMIC PROGRAMS

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 Science (MS)

## ARTS AND SCIENCES UNDERGRADUATE DEGREES

DEPARTMENT/SCHOOL	MAJOR	DEGREE
DEAN'S OFFICE	General Studies	AGS
	General Studies	BGS
ATMOSPHERIC SCIENCE, EARTH SCIENCE, AND PHYSICS BIOLOGY	Atmospheric Sciences	BS
	Biology	BS
COMMUNICATION	Communication Studies	BA
	Mass Communications	BA
CRIMINAL JUSTICE	Criminal Justice	BA
ENGLISH	English BA	
FOREIGN LANGUAGES	Modern Languages	BA
	Concentrations:	
	French Spanish	
GERONTOLOGY, SOCIOLOGY, AND POLITICAL SCIENCE	Political Science	BA
	Sociology	BA
HISTORY	History BA	
MATHEMATICS	Mathematics	BS
	Concentrations:	
	Mathematics Education (Grades 6-12)	
SOCIAL WORK	Social Work	BA
VISUAL AND PERFORMING ARTS	Art	BFA
	Concentrations:	
	Art Education (Grades K-12)	
	Studio Art Concentrations:	
	Ceramics	
	Drawing	
	Graphic Design	
	Painting	
	Photography	
	Printmaking	
	Sculpture	
	Music	BM
	Concentrations:	
Instrumental Education (Grades K-12)		
Instrumental Music Performance		
Music Theatre		
Music Theory and Composition		
Piano Pedagogy		
Vocal Education (Grades K-12)		
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 3000 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 1001  
 English 1002

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 2003-2004 (World)      History 1011-1012 (World)  
 English 2005-2006 (U.S.)      History 2001-2002 (U.S.)

FINE ARTS . . . . . 3 Hours

Art 1009  
 Dance 3001  
 Art 2001  
 Music 10001  
 Art 2002  
 Music 1091  
 Theatre 1091

MATHEMATICS . . . . . 6 Hours

Math 1011                              Math 1016  
 Math 1012                              Math 1018  
 Math 1013                              Math 1031  
 Math 1014                              Math 1032

Students should NOT use these sets for core requirements:  
 1010 and 1011                      1012 and 1013  
 1011 and 1013                      1014 and 1031  
 1010 and 1013

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 1001; 1010	Atmospheric Sciences 1001; 1002
Biology 1020; 1022	Chemistry 1001; 1002
Biology 1014; 1015	Chemistry 1007; 1008
	Geology 1001; 1002
	Physics 2003; 2004
	Physics 2007; 2008
	Physics 2001
	Physical Science 1001; 1002

SOCIAL SCIENCE . . . . . 6 Hours  
 Three hours must be selected from each of the following two lists, but the two selections must represent different disciplines.

Group I:	Group II:
Economics 1003	Economics 2001
Geography 1001 or 1002	Psychology 2001
Political Science 1001	Political Science 2001
Sociology 1001 or 1002	Anthropology 2007

UNIV 1001 . . . . . (1) hours  
 UNIVERSITY CAPSTONE 3000 . . . . . 3 hrs.  
 TOTAL CORE HOURS . . . . . 42 HOURS

## GENERAL INFORMATION

The modern language requirement must be fulfilled in one language. Students entering with pre-college training

in modern 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 ATMOSPHERIC SCIENCE, EARTH SCIENCE, AND PHYSICS

Stringer, J. Anderson, L. Anderson, Chenoweth, Greenlee, Hanks, Hopper, Jones, McGraw, Melder, Saunders

### ATMOSPHERIC SCIENCES

Freshman Year	Hrs.
Core English Composition* .....	6
Biology 1020 <sup>CNP</sup> , 1021 .....	4
Atmospheric Sciences 1001, 1002, 1003, 1004 .....	8
Mathematics 1013 <sup>CM</sup> , 1031 <sup>CM</sup> .....	7
Chemistry 1007 .....	3
Core Social Science* .....	3
UNIV 1001 .....	(1)
	31

Sophomore Year	Hrs.
English 3022 .....	3
Physics 2007 <sup>CNP</sup> , 2008 <sup>CNP</sup> , 2009, 2010 .....	8
Core Humanities* .....	6
Atmospheric Sciences 2005, 3003 .....	6
Mathematics 1016, 1032 .....	7
	30

Junior Year	Hrs.
Communication Studies 2001 .....	3
Computer Science 2000 .....	3
Atmospheric Sciences 3005, 3006, 3007, 3008, 3015 ..	11
Mathematics 3001 .....	3
Core Humanities* .....	3
Core Fine Arts* .....	3
Core Social Science* .....	3
Elective .....	3
	32

Senior Year	Hrs.
Atmospheric Sciences 4001, 4002, 4007, 4015 .....	12
Atmospheric Sciences Elective .....	3
Electives .....	9
Atmospheric Sciences 3060 <sup>UC</sup> .....	3
	27

Total hours for degree, 120.

\*Students should see Arts and Sciences Core Curriculum section for requirements.

## DEPARTMENT OF BIOLOGY

Krishnamurthy, Bell, Bhattacharjee, Carr, A. Findley, Fiorillo, Gissendanner, L. Hayes, Hill, D. Jackson, Kelley, Knesel, Koper, Minton, Sasek, A. Thompson, 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 (see page 164). Students interested in pre-medicine or pre-dentistry should see page 25 of this catalog.

Specific Biology courses are required for every student majoring in Biology: Biology 1020/1021, 1022/1023, 3005 and 4099 (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. A total of 45 credit hours in Biology are required. In addition to Biology 3005 and the Biology list electives, 16 credit hours must be taken at the 3000-4000 level.

**BIOLOGY**

	<b>Hrs.</b>
<b>Freshman Year</b>	
Biology 1020 <sup>CNP</sup> , 1021, 1022 <sup>CNP</sup> , 1023 .....	8
Chemistry 1007 <sup>CNP</sup> , 1008, 1009, 1010 .....	8
Core English Composition* .....	6
Math 1012 <sup>CM</sup> or 1013 <sup>CM</sup> or 1014 <sup>CM</sup> .....	3
Core Social Science* .....	3
Core Fine Arts* .....	3
UNIV 1001 .....	(1)
	<u>31</u>
<b>Sophomore Year</b>	
Biology List Elective (A-D)** .....	7
Mathematics 1016 <sup>CM</sup> .....	3
Foreign Language (same language) .....	6
Computer Science 1070 .....	3
Core Humanities* .....	3
Chemistry 2030, 2031, 2032, 2033 .....	8
	<u>30</u>
<b>Junior Year</b>	
Biology 3005 .....	3
Biology List Elective (A-D)** .....	7
Biology 2000/3000/4000 level Electives .....	8
English 3022 .....	3
Core Social Science* .....	3
Core Humanities* .....	6
	<u>30</u>
<b>Senior Year</b>	
Biology 4099 .....	1
Biology 2000/3000/4000 level Electives .....	11
Math, Physical Science Electives .....	8
Biology 4111 <sup>UC</sup> or 4112 <sup>UC</sup> or 4113 <sup>UC</sup> or 4114 <sup>UC</sup> .....	3
Electives .....	6
	<u>29</u>
Total hours for degree, 120.	

\*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**

Thurlkill, Barnett, Carr, Cruse, El-Giar, G. Findley, Junk, Watson, Zehnder

**DEPARTMENT OF COMMUNICATION**

Thameling, Bowers, Hebert, Kauffman, Loeb, Mapp, Pace, Roach, Rodriguez, Steckline

**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, including the University Capstone, COMM 4000. 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 3000 or 4000 level.

	<b>Hrs.</b>
<b>Freshman Year</b>	
Core English Composition* .....	6
Core Humanities* .....	6
Core Natural/Physical Science* .....	3
Core Social Science* .....	3
Computer Science 1070 .....	3
Mass Communications 2001 .....	3
Communication Studies 1001, 1018 .....	6
UNIV 1001 .....	(1)
	<u>30</u>
<b>Sophomore Year</b>	
Core Humanities* .....	3
Core Mathematics* .....	6
Core Natural/Physical Science* .....	6
Foreign Language .....	6
Communication Studies 1009, 2001, 2060 .....	7
	<u>28</u>
<b>Junior Year</b>	
Core Social Science* .....	3
Core Fine Arts* .....	3
Mass Communications 2002 or 2010 .....	3
Communication Studies 3035, 3044, 4026 or 4062 .....	3
Communication Studies 3005 or 4005 .....	3
Communication Studies 3010, 3011, or 3030 .....	3
Minor/Electives .....	12
	<u>30</u>
<b>Senior Year</b>	
Communication 4000 <sup>UC</sup> .....	3
Mass Communications 3060, 3070, 4071 .....	3
Communication Studies 3041, 4051, 4052, or 4053 .....	3

Communication Studies 4050, 4090 ..... 5  
 Minor/Electives..... 18  
 32

Total hours for degree, 120.

\*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, including the University Capstone, COMM 4000. 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 2010, 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 4000 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 1001, 1002, 1010, 1018, 2001, or 2060.

COGNATE GROUP II: Communication Studies 3002, 3010, 3011, 3030, 3041, 3044, or 4050.

<b>Freshman Year</b>	<b>Hrs.</b>
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 2001, 2010.....	6
UNIV 1001 .....	(1)
	30

**Sophomore Year**

Core Humanities* .....	3
Core Mathematics* .....	6
Core Natural/Physical Science*.....	6
Foreign Language.....	6
Mass Communications 3011, 3012, 4011, or 4012 .....	3
Mass Communications 3030, 3041, or 3060 .....	3
Mass Communications Elective .....	3
	30

**Junior Year**

Core Social Science* .....	3
Cognate Requirement .....	3
Mass Communications 3050, 3051, 3052, 3054, 3055, or 4033.....	6
Mass Communications 3061, 4035, or 4082 .....	3
Mass Communications 3070, 3090, 4081.....	7
Arts and Sciences Electives .....	3
Minor/Electives .....	6
	31

**Senior Year**

Communication 4000 <sup>UC</sup> .....	3
Cognate Requirement .....	3
Communications 4090 .....	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**

Hanser, Bonner, Kuanliang, Lanham, Netterville

**CRIMINAL JUSTICE**

**Bachelor of Arts**

<b>Freshman Year</b>	<b>Hrs.</b>
English 1001 <sup>CE</sup> , 1002 <sup>CE</sup> .....	6
Core Mathematics Requirement* .....	6
Communication Studies 1001 or 2001.....	3
Core Fine Arts* .....	3
Sociology 1001 <sup>CS</sup> .....	3
Criminal Justice 1001, 2030.....	6
Computer Science Elective .....	3
UNIV 1001 .....	(1)
	30

**Sophomore Year**

Core Humanities (English)* .....	6
Core Humanities (History)* .....	6
Political Science 2001 <sup>CS</sup> , 2002 .....	6
Foreign Language or Electives.....	6
Criminal Justice 2050, 2093.....	6
Criminal Justice 2070, 3003, or 3010.....	3
	33

**Junior Year**

Criminal Justice 4005, 4015, Electives.....	15
Psychology 2001 .....	3
Core Natural/Physical Science* .....	9
Sociology 4050.....	3
	30

**Senior Year**

Sociology 4012 or 4019 .....	3
Psychology 4001 or 4006.....	3
Criminal Justice 3001, 4018, 4029, electives.....	12
Elective/Minor.....	3
Computer Science or Foreign Language**.....	3
CJUS 4099 <sup>UC</sup> .....	3
	27

Total hours for degree, 120.

\*See Core Curriculum requirements in the Core Curriculum section of the catalog.

\*\*Must be a 3000- or 4000-level Computer Science Course or the second course in a single Foreign Language.

**DEPARTMENT OF ENGLISH**

Hill, Adams, Clark, Cole, Copeland, Eller, Giles, Gregory, Griggs, Grinnell, Guernsey-Pitchford, Haedicke, Heflin, Lock, Martin, McKinnie, Nunnery, Pettit, Rhorer, Ryan, Sloan, Stephenson, Thompson, Tucker

**ENGLISH**

<b>Freshman Year</b>	<b>Hrs.</b>
Core English Composition* .....	6
Core Mathematics* .....	6
Core Natural/Physical Sciences* .....	6
Science Lab.....	1
Core Fine Arts* .....	3
Core Social Sciences* .....	6
KINS Activity.....	1
Elective .....	1
UNIV 1001 .....	(1)
	30

<b>Sophomore Year</b>	
Core Humanities* .....	9
Foreign Language.....	6
English 2001, 2002 .....	6
Communication Studies 1001 or 2001 .....	3
Sophomore English Elective.....	3
Core Natural/Physical Science * .....	3
	30

<b>Junior Year</b>	
Foreign Language.....	6
English 3050 or 3051.....	3
English Elective Distribution Requirements.....	12
History Elective .....	3
History 3030 .....	3
Minor or Electives.....	3
	30

<b>Senior Year</b>	
English Electives Distribution Requirements.....	12
English 4099 <sup>UC</sup> .....	3
Minor or Electives.....	15
	30

Total hours for degree, 120.

\*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 2005 or 2006. If they have already taken English 2005 or 2006 as part of their Core Humanities Electives, then they must take one of the other remaining sophomore English electives.

**DEPARTMENT OF FOREIGN LANGUAGES**

Smith, Adams, Butler, Holloway, Jacobus, B. Michaelides, C. Michaelides, Rubio, Wortham

**MODERN LANGUAGES**

**Concentration in French**

<b>Freshman Year</b>	<b>Hrs.</b>
Core English Composition* .....	6
French .....	6
Core Humanities History* .....	6
Core Mathematics* .....	6
Core Social Science .....	6
UNIV 1001 .....	(1)
	30

<b>Sophomore Year</b>	
Core Humanities (English)* .....	6
French .....	9
Core Natural/Physical Sciences (Lecture)* .....	6
Core Fine Arts* .....	3
Spanish.....	6
	30

<b>Junior Year</b>	
French .....	9
Core Natural/Physical Sciences (Lecture and Lab)*.....	4
Geography 1001 or 1002 .....	3
Communication Studies 2001 .....	3
Spanish.....	6
Electives .....	5
	30

<b>Senior Year</b>	
French .....	6
History 3005 .....	3
University Capstone .....	3
Electives .....	18
	30

Total hours for a degree, 120.

**Concentration in Spanish**

<b>Freshman Year</b>	<b>Hrs.</b>
Core English Composition* .....	6
Spanish.....	6
Core Humanities History* .....	6
Core Mathematics* .....	6
Core Social Science .....	6
UNIV 1001 .....	(1)
	30

<b>Sophomore Year</b>	
Core Humanities (English)* .....	6
Spanish.....	9

**Sophomore Year (continued)**

Core Natural/Physical Sciences (Lecture)* .....	6
Core Fine Arts* .....	3
French .....	6
	30

**Junior Year**

Spanish.....	9
Core Natural/Physical Sciences (Lecture and Lab)*.....	4
Geography 1001 or 1002 .....	3
Communication Studies 2001 .....	3
French .....	6
Electives .....	5
	30

**Senior Year**

Spanish.....	6
History 3005 .....	3
University Capstone .....	3
Electives .....	18
	30

Total hours for a degree, 120.

\*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, Modern 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**

General Studies, which is 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 of study leading to a bachelor's degree. Coursework is available in a broad spectrum of academic disciplines, allowing programs to be developed according to individual needs and interests.

Students interested in General Studies 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.
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 or online.

**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.

**ASSOCIATE DEGREE REQUIREMENTS****SPECIAL REQUIREMENTS**

1. A minimum of 60 semester hours is required for degree.
2. Satisfactory completion of all Freshman year requirements with a "C" (2.0) grade point average.
3. Minimum "C" (2.0) grade point average is required for all semester hours applied to degree and all courses in Major Thematic Concentration Group.
4. The University Core is to be followed for completion of required courses.

**GENERAL REQUIREMENTS:**

UNIV 1001 .....	(1 hr)
Core English Comp .....	6 hrs
Core Humanities.....	6 hrs
Core Mathematics .....	6 hrs
Core Natural/Physical Science.....	6 hrs
Core Social Science .....	6 hrs
Core Fine Arts.....	3 hrs
CMST 1001, 1018, or 2001 .....	3 hrs

**THEMATIC CONCENTRATION GROUP:**

Major Concentration Group.....	15 hrs
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**ELECTIVES:**..... 9 hrs

Total hours for degree, 60 hrs.

**BACHELOR'S DEGREE REQUIREMENTS****SPECIAL REQUIREMENTS**

1. A minimum of 120 semester hours is required for degree.
2. Satisfactory completion of all general requirements with a "C" (2.0) grade point average.
3. Minimum of "C" (2.0) grade point average is required for all semester hours applied to degree, all courses in Major Thematic Concentration Group, and all 3000 and 4000 level courses.
4. 45 hours must be earned at 3000 or 4000 level. 15 of the 45 hours must be earned at 4000 level. 12 of the 45 hours must be in Major Thematic Concentration Group.
5. The University Core is to be followed for completion of general requirements.
6. General requirements may not be used to meet any other degree requirements.
7. Students pursuing degrees with Major Thematic Concentrations in Group I, II, or III must complete 6 hours of one foreign language, either as elective hours or as part of a concentration.

**GENERAL REQUIREMENTS:**

UNIV 1001 .....	(1 hr)
Core English Comp .....	6 hrs
Core Humanities.....	9 hrs
Core Mathematics .....	6 hrs
Core Natural/Physical Science.....	9 hrs
Core Social Science .....	6 hrs
Core Fine Arts.....	3 hrs
CMST 1001, 1018, or 2001 .....	3 hrs
Computer Science Elective .....	3 hrs

**THEMATIC CONCENTRATION GROUP:**

Major Concentration Group.....	30 hrs
Secondary Concentration Group .....	12 hrs

**ELECTIVES:**..... 30 hrs

**UNIVERSITY CAPSTONE:**..... 3 hrs

Total hours for degree, 120 hrs.

**GROUP 1 (ARTS AND HUMANITIES)**

Art, Communication Studies, Dance, English, Foreign Languages, History, Humanities, Mass Communications, Music, Religion, 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 (1000-2099), Education, Geography, Kinesiology (professional courses only), Political Science, Psychology, Social Work, Sociology

**GROUP 4 (BUSINESS)**

Accounting, Business, Computer Information Systems, Economics (3000-4099), 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, Family and Consumer Science (Family and Consumer Science comprises interior design classes), Horticulture, Library Science, Medical Laboratory Science, Military Science, Nursing, Occupational Therapy, Pharmacy, Radiologic Technology, Speech-Language Pathology, Toxicology

**DEPARTMENT OF GERONTOLOGY,  
SOCIOLOGY, AND POLITICAL SCIENCE**

Unter, Frye, Hale, Owens, Stockley, Sutherland, White

**POLITICAL SCIENCE**

<b>Freshman Year</b>	<b>Hrs.</b>
Core English Composition* .....	6
Core Mathematics* .....	6
Core Natural/Physical Science Electives* .....	6
Core Fine Arts* .....	3
History 1011 <sup>ch</sup> or 1012 <sup>ch</sup> .....	3
Communication Studies 2001 .....	3
Political Science 1001 .....	3
UNIV 1001 .....	(1)
	<u>30</u>

<b>Sophomore Year</b>	<b>Hrs.</b>
Core Natural/Physical Science *.....	3
Core Social Science*.....	6
English 2003 <sup>ch</sup> , 2004 <sup>ch</sup> or 2005 <sup>ch</sup> , 2006 <sup>ch</sup> .....	6
History 2001 <sup>ch</sup> , 2002 <sup>ch</sup> .....	6
Political Science 2001, 2002 .....	6
Minor/Electives.....	<u>3</u>
	<u>30</u>

<b>Junior Year</b>	<b>Hrs.</b>
Political Science 3001 .....	3
Economics 2002.....	3
Foreign Language .....	6
Minor/Electives .....	9
Major Requirements .....	<u>9</u>
	<u>30</u>

<b>Senior Year</b>	<b>Hrs.</b>
Foreign Language.....	6
Political Science 4099 <sup>UC</sup> .....	3
Political Science Electives.....	12
Minor Electives.....	<u>9</u>
	<u>30</u>

Total hours for degree, 120.

\*See Core Curriculum requirements in the Arts and Sciences Core Curriculum section of the catalog.

**SOCIOLOGY**

<b>Freshman Year</b>	<b>Hrs.</b>
Core English Composition* .....	6
Core Humanities* .....	9
Core Mathematics* .....	6
Sociology 1001 or 1002 .....	3
Core Social Science* .....	3
Core Natural/Physical Science*.....	3
UNIV 1001 .....	(1)
	<u>30</u>

<b>Sophomore Year</b>	<b>Hrs.</b>
Core Natural/Physical Science*.....	6
Foreign Language.....	6
Communication Studies 1001 or 2001.....	3
Sociology Electives .....	3
Core Fine Arts* .....	3
Core Social Science* .....	3
Computer Science Elective .....	3
Criminal Justice 1001 .....	<u>3</u>
	<u>30</u>

<b>Junior Year</b>	<b>Hrs.</b>
Sociology 4036, 4070, 4071.....	9

Sociology Electives .....	3
Electives/Minor/Second Major .....	12
Social Work Elective .....	3
Political Science 2001 or 2002 .....	3
	<u>30</u>

**Senior Year**

Sociology 4099 <sup>UC</sup> .....	3
Sociology Electives .....	18
Electives/Minor/Second Major .....	9
	<u>30</u>

Total hours for degree, 120.

Students should see Arts and Sciences Core Curriculum section for requirements.

**DEPARTMENT OF HISTORY**

Brown, Anderson, Blackburn, Bontty, Carpenter,  
H.P. Jones, T. Jones, Walker

**HISTORY**

<b>Freshman Year</b>	<b>Hrs.</b>
Core English Composition* .....	6
History 1011 <sup>ch</sup> , 1012 <sup>ch</sup> .....	6
Core Mathematics* .....	6
Core Natural/Physical Science* .....	3
Core Fine Arts Elective* .....	3
Minor/Electives .....	6
UNIV 1001 .....	(1)
	<u>30</u>

**Sophomore Year**

English 2003 <sup>ch</sup> , 2004 <sup>ch</sup> or 2005 <sup>ch</sup> , 2006 <sup>ch</sup> .....	6
History 2001 <sup>ch</sup> , 2002 <sup>ch</sup> .....	6
Core Social Science* .....	6
Core Natural/Physical Science* .....	6
Minor/Electives .....	<u>6</u>
	<u>30</u>

**Junior Year**

University Capstone 3000 <sup>UC</sup> .....	3
History (U.S.) .....	9
Foreign Language .....	6
Minor/Elective .....	3
Communication Studies 2001 .....	3
Geography 1001, 1002 .....	6
	<u>30</u>

**Senior Year**

History Electives .....	6
History (non-U.S.) .....	9
Political Science 2001, 2002 .....	6
Minor/Electives .....	9
	<u>30</u>

Total hours for degree, 120.

\*See Core Curriculum requirements in the Core Curriculum section of the catalog.

**DEPARTMENT OF MATHEMATICS**

Hare, Boughton, Broome, Burchfield, Carter, Dahl, Dib,  
Doke, Haneline, Harberson, Kaleem, Maroun, Martin,  
Picard, Seeber, Smart, B. Strunk, C. Strunk

**MATHEMATICS**

All electives must be approved by advisor.

**Freshman Year**

	<b>Hrs.</b>
English 1001, 1002 .....	6
Mathematics 1031 <sup>cm</sup> , 1032 <sup>cm</sup> .....	8
Core Social Science* .....	6
Music 1091 or Art 1009 or Theatre 1091 .....	3
Biology 1020 <sup>cnP</sup> , 1021 .....	4
Computer Science 2000 .....	3
UNIV 1001 .....	(1)
	<u>30</u>

**Sophomore Year**

Mathematics 2002, 2032, 2040 .....	10
Physics 2007 <sup>cnP</sup> , 2009, 2008 <sup>cnP</sup> , 2010 .....	8
Core Humanities* .....	9
Computer Science 2003 .....	3
	<u>30</u>

**Junior Year**

Mathematics 3086 .....	3
Mathematics Electives .....	6
University Capstone 3000 <sup>UC</sup> .....	3
Foreign Languages .....	6
Free Electives .....	<u>12</u>
	<u>30</u>

**Senior Year**

Mathematics Electives .....	3
Humanities Elective .....	6
Art Elective .....	3
Free Electives .....	<u>18</u>
	<u>30</u>

Total hours for degree, 120.

\*Students should see the Arts and Sciences Core Curriculum section for requirements.

**MATHEMATICS WITH A CONCENTRATION IN MATHEMATICS EDUCATION (Grades 6-12)**

**Freshman Year**

	<b>Hrs.</b>
English 1001, 1002 .....	6
Mathematics 1013 <sup>cm</sup> , 1031 <sup>cm</sup> .....	7
Biology 1020 <sup>cnP</sup> , 1021 .....	4
Physics 2007 <sup>cnP</sup> , 2009 .....	4
Curriculum and Instruction 2085 .....	3
History 1011 <sup>ch</sup> , 2002 <sup>ch</sup> .....	6
Educational Foundations 2001 .....	3
UNIV 1001 .....	(1)
	<u>33</u>

**Sophomore Year**

Physics 2008 <sup>cnP</sup> , 2010 .....	4
Mathematics 1032, 2032, .....	8
Mathematics 2002 .....	3
Music 1091 <sup>cf</sup> or Art 1009 <sup>cf</sup> or Theatre 1091 <sup>cf</sup> .....	3
English 2005 <sup>ch</sup> .....	3
Psychology 2001 <sup>cs</sup> , 2005 <sup>cs</sup> .....	6
Free Electives .....	<u>6</u>
	<u>33</u>

**Junior Year**

Mathematics 2040, 3003, 3007..... 9  
 Computer Science 2000..... 3  
 Curriculum and Instruction 3076, 3003, 3002 ..... 9  
 Psychology 3001<sup>UC</sup> ..... 3  
 Free Electives ..... 9  
 33

**Senior Year**

Mathematics 3086..... 3  
 Curriculum and Instruction 3004, 4085..... 6  
 Curriculum and Instruction 4056..... 9  
 Reading 4019 ..... 3  
 21

**DEPARTMENT OF SOCIAL WORK**

Saulsberry, M.Cappel, 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 1001 or Psychology 2001 (3 hours), Math 1011 (3 hours), and Social Work 1001, 1002, can apply while enrolled in SOCW 2005. 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 1001 and 1002, Sociology 1001 or Psychology 2001, Math 1011, Social Work 1001, 1002, and 2005 (may be enrolled in 2005).
- 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 3001), Practice I (SOCW 3015), Practice II (SOCW 4016), Field Education in Social Work (SOCW 4021), or Field Education Seminar (SOCW 4022).

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 1000- and 2000-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**

<b>Freshman Year</b>	<b>Hrs.</b>
Core English Composition* .....	6
Core Mathematics*.....	6
Core Natural/Physical Science*.....	6
Sociology 1001 <sup>CS</sup> .....	3
Communication Studies 1001 or 2001.....	3

Social Work 1001, 1002 .....	6
Core Fine Arts* .....	3
UNIV 1001 .....	(1)
	33

**Sophomore Year**

Core Humanities (English)* .....	6
Psychology 2001 <sup>CS</sup> .....	3
Core Humanities (History)* .....	6
Core Natural/Physical Science* .....	3
Foreign Language.....	6
Social Work 2005 .....	3
Computer Science Elective .....	3
	30

**Junior Year**

English 3023.....	3
Political Science 2001, 2002 .....	6
Sociology 4050, 4051.....	6
Social Work 3001, 3003, 3005 .....	9
Social Work Electives .....	3
Psychology 4001 .....	3
	30

**Senior Year**

Social Work 4022 <sup>UC</sup> .....	3
Social Work Electives .....	3
Social Work 3015, 4016, 4021 .....	12
Electives .....	9
	27

Total hours for degree, 120.

\*See Core Curriculum requirements in the Arts and Sciences Core Curriculum section of the catalog.

\*\*Sociology 300D not applicable.

**SCHOOL OF VISUAL AND PERFORMING ARTS**

M. James

**DIVISION OF ART**

**(Art Education, Graphic Design, Ceramics, Drawing, Painting, Photography, Printmaking, or Sculpture)**Ratcliff, Conway, Engler, Fassett, Hayes, Noble, Swan, Tresner

Art majors are formally admitted to the BFA program following successful completion of the first Art 3000 portfolio review. The BFA requires a minimum of 78 credit hours in art with 30 hours of general art/foundation and 12 hours in art history. Studio Art concentrations which include Ceramics, Drawing, Graphic Design, Painting, Photography, Printmaking, or Sculpture will complete 24 hours in art concentration and 12 hours of art electives and the Art Education Concentration will complete 36 hours in art concentration. The BFA also requires 42 hours in general education core classes that includes an additional art history course as the university capstone requirement.

**STUDIO ART CONCENTRATIONS**

<b>Freshman Year</b>	<b>Hrs.</b>
Art 1001, 1002.....	6
Art 1003, 1004.....	6

Core English Composition* .....	6
Core Humanities (English or History)* .....	3
Core Mathematics*.....	6
Core Natural/Physical Science*.....	3
UNIV 1001 .....	(1)
	30

**Sophomore Year**

Art 3000.....	1
Art 2001, 2002.....	6
Art 2003 or 2004.....	3
Art 2046.....	3
Art 2005, 2081.....	6
Art Major Concentration.....	3
Core Humanities (English or History)* .....	3
Core Natural/Physical Science*.....	6
	31

**Junior Year**

Art 4004, 3000.....	4
Art Elective/Concentration .....	12
Art 2073.....	3
Art 2057 or 2058 or 2059 or 2060 .....	3
Core Social Science*.....	6
Core Humanities (English or History)* .....	3
	31

**Senior Year**

Art 4026, 4029, 3000.....	7
Art Electives/Concentration.....	15
Free Elective.....	3
Art 4064 <sup>UC</sup> .....	3
	28

Total hours for degree, 120.

**ART EDUCATION (GRADES K-12) CONCENTRATION**

<b>Freshman Year</b>	<b>Hrs.</b>
English 1001, 1002.....	6
MATH 1011 or 1013 or 1014.....	3
MATH 1012 or 1016 or 1018 or 1031 or 1032.....	3
Biology 1050 .....	3
Art 1001 <sup>cf</sup> a, 1003 .....	6
Art 1004.....	3
Educational Foundation 2001 .....	3
Psychology 2001 <sup>CS</sup> .....	3
UNIV 1001 .....	(1)
	30

**Sophomore Year**

Core Humanities (English or History)* .....	3
2 of the following: Physics 1050, Chemistry 1050, Geoscience 1050 .....	6
PSYC 2003 <sup>CS</sup> .....	3
Art 1002, 2001, 2002, 3000, (one of the following 2003, 2004, 2057, 2058, 2059, 2060.....	13
Core Humanities (English or History)* .....	6
	31

**Junior Year**

Art 2073, 2005, 2081, 2046, .....	12
Art 4011, 4026, 4029.....	9
Psychology 3001 .....	3
Curriculum 3076 .....	3
Art 3000.....	1
Psychology 2005.....	3

	31
<b>Senior Year</b>	
Curriculum 4056 .....	9
Curriculum 4084 .....	3
Reading 4019 .....	3
Art 2057 or 2058 or 2059 .....	3
Art 4004, 4012, 4018, 4064 .....	12
Art 3000.....	<u>1</u>
	28
Total hours for degree, 120.	

\*Students should see the Arts and Sciences Core Curriculum section for requirements.

**DIVISION OF MUSIC**

Clark, Anderson, Boldin, Chandler, Everett, Humes, Long, Lunte, McCleery, McClung-Guillory, Mobley, Nabors, Noppe, Rinehart, Seiler, Sumner, Vangelisti, C. White

**MUSIC**  
(Bachelor of Music)

<b>Freshman Year</b>	<b>Hrs.</b>
Core English Composition* .....	6
Core Science Elective* .....	3
Core Social Science Elective* .....	3
Music 1002, 1003, 1004, 1005.....	8
Music 1093.....	2
Music, Major Performance (10XX).....	4
Major Concentration.....	2
MUSC 1015, 1016.....	2
Music 1000.....	0
UNIV 1001 .....	<u>(1)</u>
	30

<b>Sophomore Year</b>	
Core Humanities Elective* .....	6
Core Mathematics Electives* .....	6
Core Science Elective* .....	3
Music 2002, 2003, 2004, 2005.....	8
Music 2073 .....	2
Music 2000.....	0
Music, Major Performance (20XX).....	4
Major Concentration.....	2
Music 2015, 2016.....	<u>2</u>
	33

<b>Junior Year</b>	
Core Humanities Electives* .....	3
Core Social Science Elective* .....	3
Music 3000.....	0
Music, Major Performance .....	4
MUSC 4074.....	2
MUSC 4091, 4092 .....	6
Major Concentration.....	<u>12</u>
	31

<b>Senior Year</b>	
Core Science Elective* .....	3
Music 4000.....	0
Music, Major Performance (40XX) .....	2
Major Concentration.....	<u>22</u>

27

Total hours for degree, 120

\*Music majors should see Core Curriculum requirements in the College of Arts and Sciences Core Curriculum section of the catalog.

All music majors must successfully perform in a major ensemble each semester of attendance. Music majors with a concentration in music education are not required to perform in a major ensemble during the student teacher semester.

All music majors must enroll in Recital Class (MUSC 1000/2000/3000/4000) each semester of attendance and pass the class with a grade of "C" or better. Music majors with a concentration in music education are not required to enroll in Recital Class during the student teacher semester.

**DIVISION OF THEATRE AND DANCE**

Bruce, Mullone, Stephens, Zimmerman



# COLLEGE OF BUSINESS ADMINISTRATION

(<http://cba.ulm.edu/>)

RONALD L. BERRY, *Dean*  
Hemphill Hall 101

## 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)

Aviation Accredited by Aviation Accreditation Board International  
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
Agribusiness	BS
Aviation	BS
Computer Information Systems	BBA
Concentration: Information Security	
Computer Science	BS
Construction Management	BS
Finance	BBA
General Business	BBA
Management	BBA
Marketing	BBA
Risk Management and Insurance	BBA

**MINORS:** ACCOUNTING, BUSINESS ADMINISTRATION (FOR NON-BUSINESS MAJORS), AVIATION, COMPUTER INFORMATION SYSTEMS, COMPUTER SCIENCE, FINANCE, MANAGEMENT, MARKETING, AND RISK MANAGEMENT AND INSURANCE

**Faculty:** Babin, Barnett, C. Berry, R. Berry, Boswell, Bray, Clow, Cole, Conway, Cook, Cooper, Corcoran, Cordova, Davis, Denardin, Dunn, Eaton, Eisenstadt, Ensminger, Garza, Golemon, Griffin, Guerriero, Hibbets, Hodge, Kogut, Luse, Manry, McEacharn, Melancon, Nelson, Ograk, K. Parker, M. Parker, T. Parker, Rodriguez, Roshto, G. Smith, L. Smith, Stammerjohan, Strickler, K. Taylor, Walker, Weber, 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 seven traditional professional business fields. These programs include Accounting, Computer Information Systems, Finance, General Business, Management, Marketing, and Risk Management and Insurance. The traditional business programs are accredited by the (AACSB), the Association to Advance Collegiate Schools of Business International.

The College of Business Administration also offers B.S. Degree options in four additional professional fields. These professional programs include Agribusiness, 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 Aviation program is accredited by AABI (Aviation Accreditation Board International).

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 2001, 2002 and Quantitative Methods 2010 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 3000/4000 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 1001, English 1002, Mathematics 1011 or 1013 and Mathematics 1016; and (3) credit in Accounting 2012 and 2013, Computer Science 1070, Economics 2001 and 2002 and Quantitative Methods 2010. In addition, Computer Information System majors must have completed CINS 2020, 3000 and 4000-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:

<b>General Education</b>	<b>Hrs.</b>
UNIVERSITY SEMINAR (UNIV 1001).....	(1)
CORE FINE ARTS	
Three hours selected from	
Art 1009, Art 2001, Art 2002, Dance 3001,	
Music 1001, Music 1091, Theater 1091.....	3
ENGLISH 1001 and ENGLISH 1002.....	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 2003-2004 (World),  
 English 2005-2006 (U.S.)  
 History 1011-1012 (World),  
 History 2001-2002 (U.S.)  
 COMMUNICATION STUDIES 1018, 2001, or 2060..... 3  
 CORE MATHEMATICS ..... 6  
 Six hours selected from  
 Mathematics 1011 or 1013; and Mathematics 1016  
 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 1001; 1010  
 Biology 1020; 1022  
 Biology 1014; 1015  
 Physical Sciences:  
 Atmospheric Sciences 1001; 1002  
 Chemistry 1001; 1002  
 Chemistry 1007; 1008  
 Geology 1001; 1002  
 Physics 2003; 2004  
 Physics 2007; 2008  
 Physics 2001  
 Physical Science 1001; 1002 ..... 9  
 CORE SOCIAL SCIENCE  
 Economics 2001 ..... 3  
 Three hours selected from Geography 1001, Geography 1002, Political Science 1001, Sociology 1001, or Sociology 1002 ..... 3  
 STATISTICS  
 Quantitative Methods 2010..... 3  
 ECONOMICS 2002..... 3  
 BUSINESS 3005<sup>UC</sup> ..... 3  
 ELECTIVES  
 Non-Business Administration courses only..... 6  
 57

For each traditional business program, the Professional Business component of the curriculum is as follows:

<b>Professional Business Requirements</b>	<b>Hrs.</b>
Business 1001 .....	3
Accounting 2012, 2013 .....	6
Business 3001 .....	3
Business Law 4001 .....	3
Computer Science 1070.....	3
Finance 3015 .....	3
Management 3001, 4009 .....	6
Marketing 3001 .....	3
Business Administration Elective* .....	3
	33

\*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 nine Business Administration areas.

Courses numbered 4000 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 2012 and 2013. Computer Information Systems majors must earn a minimum of a "C" in CSCI 1070. Finance majors must earn a minimum of a "C" in FINA 3015. Marketing majors must earn a minimum of a "C" in MRKT 3001. Management majors must earn a minimum of a "C" in MGMT 3001.

### ACCOUNTING

**Accredited by AACSB International,  
 The Association to Advance Collegiate Schools  
 of Business**

Boswell, Davis, Golemon, Hibbets, Hodge, McEacharn, Roshto, Weber

### 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 3007; 3008; 3010; 3011; 3020; 3030; 4010; 4020; three-hour 4000-level Accounting elective; Business Law 4040.

<b>Freshman Year</b>	<b>Hrs.</b>
English 1001 <sup>ce</sup> .....	3
English 1002 <sup>ce</sup> .....	3
Core Social Science* .....	3
Mathematics 1011 or 1013 .....	3
Mathematics 1016 .....	3
Business 1001 .....	3
Core Natural/Physical Science* .....	6
Core Humanities* .....	3
Communication Studies 1018, 2001, or 2060 .....	3
UNIV 1001 .....	(1)
	<u>30</u>

<b>Sophomore Year</b>	<b>Hrs.</b>
Accounting 2012, 2013 .....	6
Computer Science 1070 .....	3
Economics 2001 <sup>CS</sup> , 2002 .....	6
Core Fine Arts* .....	3
Core Humanities* .....	6
Core Natural/Physical Science* .....	3
Quantitative Methods 2010 .....	3
	<u>30</u>

<b>Junior Year</b>	<b>Hrs.</b>
Accounting 3007, 3008, 3010, 3011, 3020 .....	15
Business 3001 .....	3
Business 3005 <sup>uc</sup> .....	3
Finance 3015 .....	3
Management 3001 .....	3
Marketing 3001 .....	3
	<u>30</u>

<b>Senior Year</b>	<b>Hrs.</b>
Accounting 3030, 4010, 4020 .....	9
Accounting Elective (4000 - Level) .....	3
Business Law 4001, 4040 .....	6
Non-Accounting Business Elective .....	3
Management 4009 .....	3
Non-Business Electives .....	6
	<u>30</u>

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.

## DEPARTMENT OF AGRICULTURE

Casey

### 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.

<b>Freshman Year</b>	<b>Hrs.</b>
Agricultural Business 1001, 2001 .....	8
Core English Composition .....	6
Mathematics 1011 <sup>cm</sup> , 1016 <sup>cm</sup> .....	6
Agriculture 1001 .....	4
Core Natural/Physical Science .....	6
Computer Science 1070 .....	3
UNIV 1001 .....	(1)
	<u>30</u>

<b>Sophomore Year</b>	<b>Hrs.</b>
Accounting 2012 .....	3
Core Fine Arts .....	3
Agricultural Business 2003, 3005 .....	6
Core Natural/Physical Science .....	3
Economics 2001, 2002 .....	6
Core Humanities .....	6
Core Social Science ** .....	3
	<u>30</u>

<b>Junior Year</b>	<b>Hrs.</b>
Accounting 2013 .....	3
Agricultural Business 3007, 3010 .....	6
Core Humanities .....	3
Agricultural/General Business Elective .....	3
Electives .....	15
	<u>30</u>

<b>Senior Year</b>	<b>Hrs.</b>
Agricultural Business 4023, 4061 .....	7
University Capstone <sup>uc</sup> .....	3
Electives .....	20
	<u>30</u>

Total hours for degree, 120.

## AVIATION

Corcoran, Gurung

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 1010 and 1011, with a grade of "C" or better, before enrolling in 3000- or 4000-level courses. Major electives are upper-level aviation or other pre-approved courses. The curriculum also includes 15 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.

<b>Freshman Year</b>	<b>Hrs.</b>
Accounting 1010 .....	3
Aviation 1001, 1010, 1011.....	9
Computer Science 1070.....	3
Core English Composition* .....	6
Mathematics 1011 <sup>cm</sup> and 1014 <sup>cm</sup> .....	6
Communication Studies 1018.....	3
UNIV 1001 .....	(1)
	<b>30</b>

<b>Sophomore Year</b>	<b>Hrs.</b>
Aviation 2020, 2030.....	6
Physical Science 1001 <sup>cnp</sup> , 1002 <sup>cnp</sup> .....	6
Core Social Science* .....	3
Communication Studies 2060.....	3
Core Biological Science*.....	3
Core Humanities.....	6
Core Fine Arts* .....	3
	<b>30</b>

<b>Junior Year</b>	<b>Hrs.</b>
Aviation 3002, 4005.....	6
Core Humanities Elective* .....	3
Core Social Science* .....	3
English 3022 .....	3
Management 3001, 3005 .....	6
Major Elective .....	3
Applied Electives.....	6
	<b>30</b>

<b>Senior Year</b>	<b>Hrs.</b>
Aviation 4015, 4030.....	6
Aviation 4002 or 4007 .....	3
Business Law 4001 .....	3
Major Electives .....	6
Business 3005 <sup>uc</sup> .....	3
Applied Electives.....	9
	<b>30</b>

Total hours for degree, 120.

\*Students should see University Core Curriculum requirements.

## COMPUTER INFORMATION SYSTEMS

Barnett, R. Berry, Griffin, 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 2020, 3002, 3006, 3040, 3044, 3050, 4030, and one of the two approved course sequences:

CIS: CINS 4035; 6 hours of 3000-4000 level CINS electives; and BUSN 4012.

Information Security: CINS 3041, 3045; INSU 3008; and ACCT 4033.

## COMPUTER INFORMATION SYSTEMS

<b>Freshman Year</b>	<b>Hrs.</b>
Core English Composition.....	6
Core Social Science .....	3
Mathematics 1011 <sup>cm</sup> or 1013 <sup>cm</sup> .....	3
Mathematics 1016 <sup>cm</sup> .....	3
Business 1001 .....	3
Core Natural/Physical Science.....	6
Core Humanities .....	3
Communication Studies 1018, 2001, or 2060.....	3
UNIV 1001 .....	(1)
	<b>30</b>

<b>Sophomore Year</b>	<b>Hrs.</b>
CSCI 1070 .....	(3)
Accounting 2012, 2013 .....	6
CINS 2020 .....	3
Economics 2001 <sup>cs</sup> , 2002 .....	6
Core Fine Arts.....	3
Core Humanities.....	6
Insurance 2005.....	3
Quantitative Methods 2010.....	3
	<b>30</b>

<b>Junior Year</b>	<b>Hrs.</b>
CINS 3002, 3006, 3040, 3050 .....	12
Business 3001 .....	3
Business 3005 <sup>uc</sup> .....	3
Finance 3015.....	3
Management 3001 .....	3
Marketing 3001 .....	3
Core Natural/Physical Science.....	3
	<b>30</b>

<b>Senior Year</b>	<b>Hrs.</b>
CINS 3044, 4030, 4035 .....	9
Business 4012 .....	3
CINS Electives (3000-4000 Level) .....	6
Business Law 4001 .....	3
Business Elective .....	3
Non-Business Electives .....	3
Management 4009 .....	3
	<b>30</b>

Total hours for degree, 120.

\*See the General Education requirements under the College of Business Curriculum section.

## COMPUTER INFORMATION SYSTEMS: INFORMATION SECURITY CONCENTRATION

<b>Freshman Year</b>	<b>Hrs.</b>
Core English Composition.....	6
Core Social Science .....	3
Mathematics 1011 <sup>cm</sup> or 1013 <sup>cm</sup> .....	3
Mathematics 1016 <sup>cm</sup> .....	3
Business 1001 .....	3
Core Natural/Physical Science.....	6
Core Humanities .....	3
Communication Studies 1018, 2001, or 2060.....	3
UNIV 1001 .....	(1)
	<b>30</b>

**Sophomore Year**

CSCI 1070 .....	(3)
Accounting 2012, 2013 .....	6
CINS 2020 .....	3
Economics 2001 <sup>CS</sup> , 2002 .....	6
Core Fine Arts.....	3
Core Humanities .....	6
Insurance 2005.....	3
Quantitative Methods 2010 .....	3
	<u>30</u>

**Junior Year**

CINS 3002, 3006, 3040, 3050 .....	12
Business 3001 .....	3
Business 3005 <sup>UC</sup> .....	3
Finance 3015 .....	3
Management 3001 .....	3
Marketing 3001 .....	3
Core Natural/Physical Science.....	3
	<u>30</u>

**Senior Year**

CINS 3044, 4030 .....	6
CINS 3041, 3045 .....	6
INSU 3008 .....	3
Business Law 4001 .....	3
ACCT 4033 .....	3
Non-Business Electives .....	6
Management 4009 .....	3
	<u>30</u>

Total hours for degree, 120.

\*See the General Education requirements under the College of Business Curriculum section.

**COMPUTER SCIENCE**

**Accredited by the Computing Accreditation Commission of ABET**

Cooper, Cordova, Eaton, L. Smith, K. Taylor, Wiedemeier

Electives must be approved by student's advisor.

The Bachelor of Science degree in Computer Science prepares students for a variety of careers in the computing field. In addition to providing students with a solid foundation in computing theory and applications, the program places emphasis on the communication and professional skills needed to succeed as a computing professional.

**Freshman Year**

	<b>Hrs.</b>
University Seminar 1001 .....	(1)
Computer Science 2000, 2003, 2026.....	9
English Composition* .....	6
Mathematics 1013 <sup>CM</sup> .....	3
Core Social Science* .....	3
Core Humanities* .....	6
Core Fine Arts* .....	3
	<u>30</u>

**Sophomore Year**

Computer Science 2053, 2073, 2098, 3005, 3010, 3026 .....	16
Biology 1020 <sup>CNP</sup> , 1021 <sup>CNP</sup> .....	4
Mathematics 1031 <sup>CM1</sup> .....	4
Core Humanities* .....	3
Core Social Science* .....	3
	<u>30</u>

**Junior Year**

Computer Science 3020, 3040, 4055.....	9
CINS 3040, 3044 .....	6
Physics Elective <sup>2</sup> .....	8
Science Elective .....	4
CMST 1018, 2001 or 2060 .....	3
	<u>30</u>

**Senior Year**

Computer Science 4011, 4012, 4060.....	9
CINS 3041, 3045 .....	6
MATH 3003.....	3
MATH Elective <sup>1</sup> .....	3
Business 3005 .....	3
English 3022 .....	3
Elective .....	3
	<u>30</u>

Total hours for degree, 120.

<sup>1</sup> Mathematics elective: may include MATH 1032, 2002, CSCI 3073 or approved Mathematics elective.

<sup>2</sup> Physics elective: may include (PHYS 2003 and 2004; or PHYS 2007 and 2008), and PHYS 2009 and 2010 or approved Physics elective.

**SCHOOL OF CONSTRUCTION MANAGEMENT**

Bray, Cook, Ensminger,  
Manry, K. Parker, G. Smith

**CONSTRUCTION MANAGEMENT**

Pre-registration and course adjustment advisement is mandatory. Students in provisional and regular admission status may not enroll in courses numbered 3000 or above until they have completed all developmental and freshman requirements. Non-majors must have approval of the Director to schedule 3000 and 4000 level classes.

**Freshman Year**

	<b>Hrs.</b>
Construction 1001, 1012, 1013.....	6
Core English Composition*** .....	6
Core Natural/Physical Science* .....	3
Mathematics 1011 <sup>CM</sup> , 1012 <sup>CM</sup> .....	6
Accounting 1010 .....	3
Core Natural/Physical Science (Biological Science) .....	3
Core Fine Arts*** .....	3
UNIV 1001 .....	(1)
	<u>30</u>

**Sophomore Year**

Construction 2003, 2004; 2006, 2007; 2008, 2009; 2011, 2012 .....	12
Core Social Science** .....	3
Core Natural/Physical Science* .....	6
Communication Studies 2001 .....	3
Core Humanities*** .....	6
	<u>30</u>

**Junior Year**

Construction 3003, 3004; 3005, 3006; 3008, 3009; 3018, 3019; 3050, 3051 .....	15
Insurance 2005 .....	3
Core Humanities*** .....	3
Core Social Science** .....	3
Mathematics 1016 .....	3
Core Natural/Physical Science* .....	3
	<u>30</u>

**Senior Year**

Construction 4007, 4015; 4008, 4009; 4014; 4017, 4018; 4030, 4055 .....	18
Construction Elective .....	3
Business Law 4001 .....	3
University Capstone 3001, 3005 .....	6
	<u>30</u>

Total hours for degree, 120.

\*Atmospheric Sciences may not be used to satisfy the core physical science electives. Additionally, Physics 2001, (Descriptive Astronomy) and Physical Science 1001 and 1002 (Introductory Physical Science), 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 University Core Curriculum.

**FINANCE**

Guerriero, Melancon, M. Parker, Rodriguez

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 3010, 3011 or Accounting electives; Economics 3001 and 3011; Finance 3016, 4001, 4005, and 6 additional hours from 4004, 4006, and 4010; Insurance 2005 and 3 hours of Business Administration electives.

**Freshman Year**

	<b>Hrs.</b>
English 1001 <sup>CE</sup> .....	3
English 1002 <sup>CE</sup> .....	3
Core Social Science* .....	3
Mathematics 1011 or 1013 .....	3
Mathematics 1016 .....	3
Business 1001 .....	3
Core Natural/Physical Science* .....	6
Core Humanities* .....	3
Communication Studies 1018, 2001, or 2060 .....	3
UNIV 1001 .....	(1)
	<u>30</u>

**Sophomore Year**

Accounting 2012, 2013 .....	6
Computer Science 1070 .....	3
Economics 2001 <sup>CS</sup> , 2002 .....	6
Core Fine Arts* .....	3
Core Humanities* .....	6
Core Natural/Physical Science* .....	3
Quantitative Methods 2010 .....	3
	<u>30</u>

**Junior Year**

Accounting 3010, 3011, or Accounting Electives .....	6
Business 3005 <sup>UC</sup> .....	3
Economics 3001, 3011 .....	6
Finance 3015, 3016 .....	6
Insurance 2005 .....	3
Management 3001 .....	3
Marketing 3001 .....	3
	<u>30</u>

**Senior Year**

Business 3001 .....	3
Business Law 4001 .....	3
Finance 4001, 4005 .....	6
Finance 4004, 4006, or 4010 .....	6
Management 4009 .....	3
Econ 3013, Mgmt 4002, or Mrkt 4001 .....	3
Business Elective .....	3
Non-Business Electives .....	6
	<u>30</u>

Total hours for degree, 120.

\*See the General Education requirements under the College of Business Curriculum section.

**GENERAL BUSINESS**

Eisenstadt, Kogut, Luse, Nelson, T. Parker

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 2020, Entrepreneurship 2050, Insurance 2005, or 3000/4000 Business elective; 3000/4000-level Economics elective; Computer Information Systems 3050; Management 3005; 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 2020 is approved for a concentration in Computer Information Systems; Entrepreneurship 2050 is approved for a concentration in Entrepreneurship; Insurance 2005 is approved for a concentration in Insurance or Business Law. A total of 9 hours may be selected from ACCT 4010, ECON 3013, FINA 4004, MGMT 4002, or MRKT 4001 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.

<b>Freshman Year</b>	<b>Hrs.</b>
English 1001 <sup>CE</sup> .....	3
English 1002 <sup>CE</sup> .....	3
Core Social Science* .....	3
Mathematics 1011 or 1013 .....	3
Mathematics 1016 .....	3
Business 1001 .....	3
Core Natural/Physical Science* .....	6
Core Humanities* .....	3
Communication Studies 1018, 2001, or 2060 .....	3
UNIV 1001 .....	(1)
<b>Sophomore Year</b>	30
Accounting 2012, 2013 .....	6
Computer Science 1070 .....	3
Economics 2001 <sup>CS</sup> , 2002 .....	6
Core Fine Arts* .....	3
Core Humanities* .....	6
Core Natural/Physical Science .....	3
Quantitative Methods 2010 .....	3
<b>Junior Year</b>	30
CINS 2020, ENTR 2050, INSU 2005, or 3000/4000 Business Elective .....	3
Business 3005 <sup>UC</sup> .....	3
Computer Information Systems 3050 .....	3
Economics Elective (3000/4000 level) .....	3
Finance 3015 .....	3
Management 3001, 3005 .....	6
Marketing 3001 .....	3
Major Electives .....	6
<b>Senior Year</b>	30
Business 3001 .....	3
Business Law 4001 .....	3
Management 4009 .....	3
Major Electives .....	12
Business Elective .....	3
Non-Business Electives .....	6
Total hours for degree, 120.	30

\*See the General Education requirements under the College of Business Curriculum section.

**MANAGEMENT**

Denardin, Dunn, 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 3005, 3007, 3009, 4014; Entrepreneurship 4033; nine hours of management electives and six hours of marketing electives for a major in management.

<b>Freshman Year</b>	<b>Hrs.</b>
English 1001 <sup>CE</sup> .....	3
English 1002 <sup>CE</sup> .....	3
Core Social Science* .....	3
Mathematics 1011 or 1013 .....	3
Mathematics 1016 .....	3
Business 1001 .....	3
Core Natural/Physical Science* .....	6
Core Humanities* .....	3
Communication Studies 1018, 2001, or 2060 .....	3
UNIV 1001 .....	(1)
	30

<b>Sophomore Year</b>	<b>Hrs.</b>
Accounting 2012, 2013 .....	6
Computer Science 1070 .....	3
Economics 2001 <sup>CS</sup> , 2002 .....	6
Core Fine Arts* .....	3
Core Humanities* .....	6
Core Natural/Physical Science* .....	3
Quantitative Methods 2010 .....	3
	30

<b>Junior Year</b>	<b>Hrs.</b>
Business 3001 .....	3
Business 3005 <sup>UC</sup> .....	3
Finance 3015 .....	3
Management 3001, 3005, 3009, 4014 .....	12
Management Electives .....	6
Marketing 3001 .....	3
Non-Business Elective .....	3
	33

<b>Senior Year</b>	<b>Hrs.</b>
Business Law 4001 .....	3
Entrepreneurship 4033 .....	3
Management 3007, 4009 .....	6
Management Elective .....	3
Marketing Electives .....	6
Business Elective .....	3
Non-Business Elective .....	3
	27

Total hours for degree, 120.

\*See the General Education requirements under the College of Business Curriculum section.

**MARKETING**

Babin, Clow, Cole, Stammerjohan

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 3002, 3005, 3008, 3011, 4003, 4006, 4009; Marketing 4010 or 4011; three hours of marketing electives from MRKT 3004, 3007, 4001, 4010, 4011 or 4092; and Management 4013 for a major in Marketing.

<b>Freshman Year</b>	<b>Hrs.</b>
English 1001 <sup>CE</sup> .....	3
English 1002 <sup>CE</sup> .....	3
Core Social Science* .....	3
Mathematics 1011 or 1013 .....	3
Mathematics 1016 .....	3
Business 1001 .....	3
Core Natural/Physical Science* .....	6
Core Humanities* .....	3
Communication Studies 1018, 2001, or 2060 .....	3
UNIV 1001 .....	(1)
	30

**Sophomore Year**

Accounting 2012, 2013 .....	6
Computer Science 1070.....	3
Economics 2001 <sup>CS</sup> , 2002.....	6
Core Fine Arts* .....	3
Core Humanities* .....	6
Core Natural/Physical Science*.....	3
Quantitative Methods 2010 .....	3
	<u>30</u>

**Junior Year**

Business 3001 .....	3
Business 3005 .....	3
Finance 3015 .....	3
Management 3001 .....	3
Marketing 3001, 3002, 3005, 3008, 3011 .....	15
Non-Business Elective .....	<u>3</u>
	30

**Senior Year**

Business Law 4001 .....	3
Management 4009, 4013 .....	6
Marketing 4003, 4006, 4009 .....	9
Marketing 4010 or 4011 .....	3
Marketing Elective .....	3
Business Elective .....	3
Non Business Elective.....	<u>3</u>
	30

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 Risk Management and Insurance, students must complete Economics 3001, Economics 3011, Finance 4001, Insurance 2005, 3007, 3008, 3020, 4008, 4010, and either Construction 1001, Management 3005, Marketing 3005 or Marketing 4003.

All students majoring in Risk Management and Insurance must complete Insurance 4010 which is an internship in the field. The internship should be completed after admission to the program. The internship must provide significant exposure and practice within the fields of risk management and insurance and is approved at the discretion of the Director of Insurance Studies.

**Freshman Year**

	<b>Hrs.</b>
English 1001 <sup>Ce</sup> .....	3
English 1002 <sup>Ce</sup> .....	3
Core Social Science* .....	3
Mathematics 1011 or 1013 .....	3
Mathematics 1016.....	3
Business 1001 .....	3
Core Natural/Physical Science*.....	6
Core Humanities* .....	3
Communication Studies 1018, 2001, or 2060.....	3
UNIV 1001 .....	(1)
	<u>30</u>

**Sophomore Year**

Accounting 2012, 2013 .....	6
Computer Science 1070.....	3
Economics 2001 <sup>CS</sup> , 2002.....	6
Core Fine Arts* .....	3
Core Humanities* .....	6
Core Natural/Physical Science*.....	3
Quantitative Methods 2010 .....	3
	<u>30</u>

**Junior Year**

Business 3005 <sup>UC</sup> .....	3
Economics 3001.....	3
Finance 3015, 4001 .....	6
Insurance 2005, 3007.....	6
Management 3001 .....	3
Marketing 3001 .....	3
Non-Business Electives.....	<u>6</u>
	30

**Senior Year**

Business 3001 .....	3
Business Law 4001 .....	3
Economics 3011.....	3
Insurance 3008, 3020, 4008, and 4010 .....	12
Management 4009 .....	3
Construction 1001, Management 3005, Marketing 3005, or Marketing 4003 .....	3
Business Elective .....	<u>3</u>
	30

Total hours for degree, 120.

\*See the General Education requirements under the College of Business Curriculum section.



## COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT

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

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)  
Doctor of Education (Ed.D.)  
Doctor of Philosophy (Ph.D.)

## EDUCATION UNDERGRADUATE DEGREES

<b>DEPARTMENT</b>	<b>MAJOR</b>	<b>DEGREE</b>
CURRICULUM AND INSTRUCTION	Elementary Education (Grades 1-5)	BS
	Elementary Education (Inclusive Grades 1-5)	BS
	Secondary Education and Teaching	BS
	Concentrations:	
	Biology Education (Grades 6-12)	
	Chemistry Education (Grades 6-12)	
	Earth Science Education (Grades 6-12)	
	English Education (Grades 6-12)	
	French Education (Grades K-12)	
	Social Studies Education (Grades 6-12)	
	Spanish Education (Grades 6-12)	
	Secondary Education and Teaching (Inclusive Grades 6-12)	BS
	Concentrations:	
Biology Education (Grades 6-12)		
Chemistry Education (Grades 6-12)		
English Education (Grades 6-12)		
Mathematics Education (Grades 6-12)		
Social Studies Education (Grades 6-12)		
KINESIOLOGY	Kinesiology	BS
	Concentrations:	
	Exercise Science	
	Exercise Science/Pre-Physical Therapy	
	Fitness and Sports Industry	
	Health and Physical Education (Certification)	
PSYCHOLOGY	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 (with Early Childhood add-on available); Elementary Education Inclusive; Secondary Education and Teaching in Biology Education, Chemistry Education, Earth Science Education, English Education, French Education, Social Studies Education, and Spanish Education; Secondary Education and Teaching Inclusive in Biology Education, Chemistry Education, English Education, Math Education, and Social Studies Education; and the Bachelor of Science in Kinesiology.

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), Elementary Education Inclusive (1-5), Secondary Education Inclusive (6-12), and Multiple Levels (K-12); the

Master of Education Degree in Counseling, Curriculum and Instruction, Educational Leadership, Educational Technology Leadership, and Special Education; and the Master of Science Degree in Psychology and Exercise Science.

Curriculum and Instruction also offers a 60 credit hour educational doctorate online. This degree facilitates additional career opportunities for teachers and administrators in the educational setting.

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 1001 and 1002 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 3000 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.

## INSTRUCTIONAL TECHNOLOGY REQUIREMENT

Successful completion of Curriculum and Instruction 2085, 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 MAJORS

Candidates seeking a degree in a teacher education program must meet the admission requirements of the College.

### TEACHER EDUCATION PROGRAM ADMISSION

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. Students with a felony conviction will not be admitted to Teacher Education.

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 to Teacher Education during their first 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 online at the Educational Testing Service website.
3. Completion of all developmental courses as required.
4. Successful completion of English 1001 and 1002 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 2001 or KINS 2011.
7. Speech and Hearing Screening
8. Recommendation of advisor.

Applications for admission to a teacher education program are reviewed by the College's Undergraduate Review 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 2001, 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 3002, 3003, 3004, 3006, 3007, 3008, 3009, 3011, 3012, 3013, 3014, 3038, 3076, 3077, 3086, 4002, 4031, 4050, 4056, 4083
- Educational Foundations 4001
- Elementary Education 3040, 3041, 3042, 4019, 4020, 4021, 4041, 4042, 4043, 4051, 4052, 4053, 4061, 4062, 4063, 4064, 4065, 4066, 4084, 4085
- Family and Consumer Sciences 3013, 4007, 4021
- Music Education 4055, 4056
- Reading 3021, 3022, 4019, 4020
- Special Education 4063, 4064, 4065

## 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 2001 or KINS 2011 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 one three-credit hour course during the semester in which they are student teaching. Special permission to enroll in more than one course must be granted by the Dean.

An application for student teaching should be filed with the Coordinator of Field Experiences and Teacher Candidacy 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.
9. CPR Certification or completion of KINS 2001 as prerequisite.

Student teaching application forms are submitted to the Coordinator of Field Experiences and Teacher Candidacy 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.

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 online at the Educational Testing Service website. Study guides are on reserve in the library.

## **DEPARTMENT OF CURRICULUM AND INSTRUCTION**

Schween, Allen, Beutner, Lynn Clark, Kim, Ford, Man, Packer, Powell, Pugh, Ricks, Stanley, Washington, Williamson

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 or Elementary Education Inclusive programs prepare to teach General Education or Special Education 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 and Teaching majors earning the Bachelor of Science may opt for one of seven areas of education concentrations including Biology, Chemistry, Earth Science, English, French, Social Studies, and Spanish. The Secondary Education and Teaching Inclusive program offers five education program concentrations that include Biology, Chemistry, English, Mathematics, and Social Studies.

Secondary education majors may choose to 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**

**(Inclusive Grades 1-5)**

<b>Freshman Year</b>	<b>Hrs.</b>
English Composition 1001 <sup>ce</sup> , 1002 <sup>ce</sup> .....	6
Mathematics 1011 <sup>cm</sup> , 2050 <sup>cm</sup> .....	6
Physics 1050 .....	3
Chemistry 1050 <sup>cnp</sup> .....	3
History 1011 <sup>ch</sup> , 2002 <sup>ch</sup> .....	6
Curriculum and Instruction 2085 .....	3
Psychology 2001 <sup>cs</sup> .....	3
University 1001 .....	(1)
	30

<b>Sophomore Year</b>	<b>Hrs.</b>
English 2005 <sup>ch</sup> , 2006 <sup>ch</sup> .....	6
Mathematics 2051, 3050 .....	6
Biology 1050 <sup>cnp</sup> .....	3
Geoscience 1050 <sup>cnp</sup> .....	3
Curriculum and Instruction 2001 .....	3
Art 4011 <sup>cf</sup> or Music Education 3035 <sup>cf</sup> .....	3
History 3005 .....	3
Geography 1003 .....	3
Psychology 2003 <sup>cs</sup> .....	3
Geology 1010 .....	3
	36

<b>Junior Year</b>	<b>Hrs.</b>
Elementary Education 3040, 3041 .....	12
Special Education 2002, 3010, 4015 .....	9
Psychology 3001 .....	3
Kinesiology 4042 .....	3
Curriculum and Instruction 3077 .....	3
	30

<b>Senior Year</b>	<b>Hrs.</b>
Elementary Education 3042, 4041, 4042, 4043 .....	12
Curriculum and Instruction 4001 .....	3
Special Education 4020, 4025 .....	6
Student Teaching ELED 4061, 4063 .....	10
	31

Total hours for degree, 127.

\*See University Core Curriculum requirements.

\*\*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. Elementary Education 4051, 4052, 4053, and 4086.

**BACHELOR OF SCIENCE IN ELEMENTARY EDUCATION**

**(Grades 1-5)**

<b>Freshman Year</b>	<b>Hrs.</b>
Core English Composition* .....	6
Mathematics 1011 <sup>cm</sup> , 2050 <sup>cm</sup> .....	6
Physics 1050 .....	3
Chemistry 1050 <sup>cnp</sup> .....	3
History 1011 <sup>ch</sup> , 2002 <sup>ch</sup> .....	6
Curriculum and Instruction 2085 .....	3
Psychology 2001 <sup>cs</sup> .....	3
University 1001 .....	(1)
	30

**Sophomore Year**

English 2005 <sup>ch</sup> , 2006 <sup>ch</sup> .....	6
Mathematics 2051, 3050 .....	6
Biology 1050 <sup>cnp</sup> .....	3
Curriculum and Instruction 2001 .....	3
Geoscience 1050 .....	3
Psychology 2003 <sup>cnp</sup> .....	3
Art 4011 <sup>cf</sup> or Music Education 3035 <sup>cf</sup> .....	3
History 3005 .....	3
Geography 1003 .....	3
	33

**Junior Year**

Elementary Education 3040, 3041 .....	12
Special Education 2002 .....	3
Psychology 3001 .....	3
Curriculum and Instruction 3077 .....	3
Kinesiology 4042 .....	3
Curriculum 4001 .....	3
	30

**Senior Year**

Elementary Education 3042, 4041, 4042, 4043 .....	12
Geology 1010 .....	3
Kinesiology 3033 .....	3
Elementary Education 4061, 4062, 4063 .....	9
	27

Total hours for degree, 120.

\*See University Core Curriculum requirements.

\*\*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. Elementary Education 4051, 4052, 4053, and 4085.

**BACHELOR OF SCIENCE IN ENGLISH EDUCATION**

**(Grades 6-12)**

<b>Freshman Year</b>	<b>Hrs.</b>
English Composition 1001 <sup>ce</sup> , 1002 <sup>ce</sup> .....	6
Mathematics 1011 <sup>cm</sup> .....	3
Mathematics 1012 <sup>cm</sup> or 1016 <sup>cm</sup> or 1018 <sup>cm</sup> .....	3
Core Natural/Physical Science .....	6
Curriculum and Instruction 2085 .....	3
Foreign Language Elective .....	3
Psychology 2001 <sup>cs</sup> .....	3
University Seminar 1001 .....	(1)
	27

**Sophomore Year**

English 2001, 2002, 2003, 3025 .....	12
English 2005 <sup>ch</sup> or 2006 <sup>ch</sup> .....	3
Core Natural/Physical Sciences .....	3
Music 1091 <sup>cf</sup> or Art 1009 <sup>cf</sup> or Theatre 1091 <sup>cf</sup> .....	3
History 1011 <sup>ch</sup> , 2002 <sup>ch</sup> .....	6
Psychology 2005 .....	3
Curriculum and Instruction 2001 .....	3
	33

**Junior Year**

English 4026, 4081 .....	6
English 4082 or 4083.....	3
English 4078, or 4079.....	3
English 4037 or 4038.....	3
Psychology 3001 .....	3
Curriculum and Instruction 3002, 3003, 3076, 4001 .....	12
Reading 4019 .....	3
Special Education 4015 .....	3
	<u>36</u>

**Senior Year**

Special Education 3010, 4020, 4025 .....	9
Curriculum and Instruction 3004, 4085, 4056 .....	15
Reading 4020 .....	3
	<u>27</u>

Total hours for degree, 123.

\*See University Core Curriculum requirements.

**BACHELOR OF SCIENCE IN ENGLISH EDUCATION**

**(Inclusive Grades 6-12)**

**Freshman Year**

	<b>Hrs.</b>
English Composition 1001 <sup>ce</sup> , 1002 <sup>ce</sup> .....	6
Mathematics 1011 <sup>cm</sup> .....	3
Mathematics 1012 <sup>cm</sup> or 1016 <sup>cm</sup> or 1018 <sup>cm</sup> .....	3
Core Natural/Physical Science .....	6
Curriculum and Instruction 2085 .....	3
Foreign Language Elective .....	3
Psychology 2001 <sup>cs</sup> .....	3
University Seminar 1001 .....	(1)
	<u>27</u>

**Sophomore Year**

English 2001, 2002, 2003, 3025 .....	12
English 2005 <sup>ch</sup> or 2006 <sup>ch</sup> .....	3
Core Natural/ Physical Sciences .....	3
Music 1091 <sup>cf</sup> or Art 1009 <sup>cf</sup> or Theatre 1091 <sup>cf</sup> .....	3
History 1011 <sup>ch</sup> , 2002 <sup>ch</sup> .....	6
Psychology 2005 .....	3
Curriculum and Instruction 2001 .....	3
	<u>33</u>

**Junior Year**

English 4026, 4081 .....	6
English 4082 or 4083.....	3
English 4078, or 4079.....	3
English 4037 or 4038.....	3
Psychology 3001 .....	3
Curriculum and Instruction 3002, 3003, 3076, 4001 .....	12
Reading 4019 .....	3
Special Education 4015 .....	3
	<u>36</u>

**Senior Year**

Special Education 3010, 4020, 4025 .....	9
Curriculum and Instruction 3004, 4085, 4056 .....	15
Reading 4020 .....	3
	<u>27</u>

Total hours for degree, 123.

\*See University Core Curriculum requirements.

**BACHELOR OF SCIENCE IN FRENCH EDUCATION  
(Grades K-12)**

**Freshman Year**

	<b>Hrs.</b>
Core English Composition* .....	6
Mathematics 1011 <sup>cm</sup> .....	3
Core Mathematics* .....	3
Physics 1050 .....	3
French 1005 (same as 1001, 1002) .....	6
Curriculum and Instruction 2085 .....	3
Educational Foundations 2001 .....	3
Psychology 2001 .....	3
Kinesiology 2001 .....	1
UNIV 1001 .....	(1)
	<u>31</u>

**Sophomore Year**

Chemistry 1050 .....	3
Geoscience 1050 .....	3
History 1011 <sup>ch</sup> , 2002 <sup>ch</sup> .....	6
Music 1091 <sup>cf</sup> or Art 1009 <sup>cf</sup> or Theatre 1091 <sup>cf</sup> .....	3
Psychology 2001 <sup>cs</sup> , 2003 .....	6
French 2005 (same as 2001, 2002) .....	6
French 2031, 3012 .....	6
English 2005.....	3
	<u>36</u>

**Junior Year**

French 3025 .....	3
French 3002, 3024, 3025, 4074 .....	12
Educational Foundations 4001.....	3
Psychology 3001 <sup>uc</sup> .....	3
Curriculum and Instruction 3076, 3003.....	6
Curriculum and Instruction 3086.....	1
Elementary Education 3041 .....	6
	<u>34</u>

**Senior Year**

French 4003, 4015, 4075 .....	9
Reading 4019 .....	3
Curriculum and Instruction 4056.....	9
Curriculum and Instruction 4084.....	3
	<u>24</u>

Total hours for degree, 125.

\*See University Core Curriculum requirements.

**BACHELOR OF SCIENCE IN SOCIAL STUDIES EDUCATION  
(Grades 6-12)**

**Freshman Year**

	<b>Hrs.</b>
Core English Composition* .....	6
Mathematics 1011 <sup>cm</sup> .....	3
Core Mathematics * .....	3
Core Natural/Physical Science* .....	6
(3 hrs Biological)	
Geography 1001 <sup>cs</sup> , Sociology 1001 .....	6
Curriculum and Instruction 2085 .....	3
Educational Foundations 2001.....	3
UNIV 1001 .....	(1)
	<u>30</u>

**Sophomore Year**

History 1011 <sup>ch</sup> , 1012 <sup>ch</sup> , 2001 <sup>ch</sup> .....	9
Core Natural/Physical Science* .....	3
Music 1091 <sup>cf</sup> or Art 1009 <sup>cf</sup> or Theatre 1091 <sup>cf</sup> .....	3
Geography 1002.....	3
English Literature Elective .....	3
Geography 3001, Geography 4011 or History 4039 .....	6
Psychology 2001 <sup>cs</sup> , 2005 <sup>cs</sup> .....	6
Economics 2001 .....	3
	<u>36</u>

**Junior Year**

Political Science 2001, 2002 .....	6
Curriculum and Instruction 3076, 3003, 3002 .....	9
Curriculum and Instruction 3086.....	1
Psychology 3001 <sup>uc</sup> .....	3
Sociology 2003.....	3
Economics 2002 .....	3
History 2002 .....	3
Political Science 4014 or History 4050 .....	3
History 4008 .....	3
	<u>34</u>

**Senior Year**

History 3005 .....	3
Reading 4019 .....	3
Curriculum and Instruction 3004, 4083.....	6
Curriculum and Instruction 4056.....	9
Political Science 4013 or History 4008 .....	3
	<u>24</u>

Total hours for degree, 124.

\*See University Core Curriculum requirements.

**BACHELOR OF SCIENCE IN SOCIAL STUDIES EDUCATION  
(Inclusive Grades 6-12)**

**Freshman Year**

	<b>Hrs.</b>
Core English Composition* .....	6
Mathematics 1011 <sup>cm</sup> , 1012.....	6
Chemistry 1007, 1009 .....	4
Biology 1020, 1021 .....	4
Biology 1022, 1023 .....	4
Curriculum and Instruction 2085.....	3
Psychology 2001 .....	3
Chemistry 1008 .....	3
UNIV 1001 .....	(1)
	<u>30</u>

**Sophomore Year**

American Literature Elective.....	3
Biology 2004, 2005 .....	4
Biology 2008, 2009 .....	4
History 1011 <sup>ch</sup> .....	3
History 2002 .....	3
Curriculum and Instruction 2001 .....	3
Music 1091 or Art 1009, or Theatre 1091.....	3
Atmospheric Sciences 1001 .....	3
Biology 2014, 2015 .....	4
Psychology 2005 <sup>cs</sup> .....	3
	<u>33</u>

**Junior Year**

Biology 2020 .....	3
Biology 3003, 3004 .....	4
Psychology 3001 .....	3
Biology 3005, 3006 .....	4
Curriculum and Instruction 3002 .....	3
Curriculum and Instruction 3003 .....	3
Curriculum and Instruction 3076.....	3
Special Education 4015 .....	3
Reading 4019 .....	3
Curriculum and Instruction 4001 .....	3
	<u>32</u>

**Senior Year**

Special Education 3010 .....	3
Reading 4020 .....	3
Curriculum and Instruction 3004, 4085.....	6
Special Education 4020 .....	3
Curriculum and Instruction 4056.....	9
Special Education 4025 .....	3
	<u>27</u>

Total hours for degree, 122.

\*See University Core Curriculum requirements.

**BACHELOR OF SCIENCE IN SPANISH EDUCATION  
(Grades K-12)**

**Freshman Year**

	<b>Hrs.</b>
Core English Composition* .....	6
Mathematics 1011 <sup>cm</sup> .....	3
Core Mathematics* .....	3
Curriculum and Instruction 2085.....	3
Science 1001.....	3
Spanish 1005 (same as 1001, 1002) .....	6
Educational Foundations 2001.....	3
Psychology 2001 .....	3
Kinesiology 2001 .....	1
UNIV 1001 .....	(1)
	<u>31</u>

**Sophomore Year**

Science 1002, 1004.....	6
History 1011 <sup>ch</sup> , 2002 <sup>ch</sup> .....	6
Music 1091 <sup>cf</sup> or Art 1009 <sup>cf</sup> or Theatre 1091 <sup>cf</sup> .....	3
Psychology 2003 <sup>cs</sup> , 2005 .....	6
Spanish 2005 (same as 2001, 2002) .....	6
Spanish 2031,3011.....	6
English 2005.....	3
	<u>36</u>

**Junior Year**

Spanish 4005, 4074.....	6
Spanish 3012 or 3014 .....	3
Spanish 3001, 3007, 3008, 3009, or 4008 .....	6
Educational Foundations 4001.....	3
Curriculum and Instruction 3003, 3076.....	6
Curriculum and Instruction 3086.....	1
Psychology 3001 <sup>uc</sup> .....	3
Elementary Education 3041 .....	6
	<u>34</u>

**Senior Year**

Reading 4019 .....	3
Curriculum and Instruction 4056.....	9
Curriculum and Instruction 4084.....	3
Spanish 3013, 4005, 4075.....	9
	<u>24</u>

Total hours for degree, 125.

\*See University Core Curriculum requirements.

## BACHELOR OF SCIENCE IN BIOLOGY EDUCATION

(Grades 6-12)

Freshman Year	Hrs.
English Composition 1001 <sup>ce</sup> , 1003 <sup>ce</sup> .....	6
Mathematics 1011 <sup>cm</sup> , 1012 <sup>cm</sup> .....	6
Biology 1020 <sup>cnP</sup> , 1021 .....	4
Biology 1022 <sup>cnP</sup> , 1023 .....	4
Psychology 2001 <sup>cs</sup> .....	3
Curriculum and Instruction 2085 .....	3
Chemistry 1007 <sup>cs</sup> , 1009 .....	4
Chemistry 1008 .....	3
University Seminar 1001 .....	(1)
	33

Sophomore Year	Hrs.
History 1011 <sup>ch</sup> , 2002 <sup>ch</sup> .....	6
Biology 2004, 2005 .....	4
Biology 2008, 2009 .....	4
Biology 2014, 2015 .....	4
Music 1091 <sup>cf</sup> or Art 1009 <sup>cf</sup> or Theatre 1091 <sup>cf</sup> .....	3
Atmospheric Science 1001 .....	3
Curriculum and Instruction 2001 .....	3
Psychology 2005 <sup>cs</sup> .....	3
	33

Junior Year	Hrs.
Biology 2020 .....	3
Biology 3003, 3004 .....	4
Biology 3005, 3006 .....	4
Curriculum and Instruction 3076, 3003, 3002, 4001 .....	12
Psychology 3001 <sup>uc</sup> .....	3
Special Education 4015 .....	3
Reading 4018 .....	3
	32

Senior Year	Hrs.
Curriculum and Instruction 3004, 4056, 4085 .....	15
Reading 4020 .....	3
Special Education 3010, 4020, 4025 .....	9
	27

Total hours for degree, 125.

\*See University Core Curriculum requirements.

## BACHELOR OF SCIENCE IN BIOLOGY EDUCATION

(Inclusive Grades 6-12)

Freshman Year	Hrs.
English Composition 1001 <sup>ce</sup> , 1003 <sup>ce</sup> .....	6
Mathematics 1011 <sup>cm</sup> , 1012 <sup>cm</sup> .....	6
Biology 1020 <sup>cnP</sup> , 1021 .....	4
Biology 1022 <sup>cnP</sup> , 1023 .....	4
Psychology 2001 <sup>cs</sup> .....	3
Curriculum and Instruction 2085 .....	3
Chemistry 1007 <sup>cs</sup> , 1009 .....	4
Chemistry 1008 .....	3
University Seminar 1001 .....	(1)
	33

Sophomore Year	Hrs.
History 1011 <sup>ch</sup> , 2002 <sup>ch</sup> .....	6
Biology 2004, 2005 .....	4
Biology 2008, 2009 .....	4
Biology 2014, 2015 .....	4
Music 1091 <sup>cf</sup> or Art 1009 <sup>cf</sup> or Theatre 1091 <sup>cf</sup> .....	3
English 2005 <sup>ch</sup> .....	3
Atmospheric Science 1001 .....	3
Curriculum and Instruction 2001 .....	3
Psychology 2005 <sup>cs</sup> .....	3
	33

Junior Year	Hrs.
Biology 2020 .....	3
Biology 3003, 3004 .....	4
Biology 3005, 3006 .....	4
Curriculum and Instruction 3076, 3003, 3002, 4001 .....	12
Psychology 3001 <sup>uc</sup> .....	3
Special Education 4015 .....	3
Reading 4018 .....	3
	32

Senior Year	Hrs.
Curriculum and Instruction 3004, 4056, 4085 .....	15
Reading 4020 .....	3
Special Education 3010, 4020, 4025 .....	9
	27

Total hours for degree, 125.

\*See University Core Curriculum requirements.

## BACHELOR OF SCIENCE IN CHEMISTRY EDUCATION

(Grades 6-12)

Freshman Year	Hrs.
English Composition 1001 <sup>ce</sup> , 1002 <sup>ce</sup> .....	6
Mathematics 1011 <sup>cm</sup> , 1012 <sup>cm</sup> .....	6
Biology 1020 <sup>cnP</sup> , 1021 .....	4
Psychology 2001 .....	3
Curriculum and Instruction 2085 .....	3
Chemistry 1007 <sup>cnP</sup> , 1008, 1009 <sup>cnP</sup> , 1010 .....	8
Atmospheric Science 1001 .....	3
University Seminar 1001 .....	(1)
	34

Sophomore Year	Hrs.
History 1011 <sup>ch</sup> , 2002 <sup>ch</sup> .....	6
Chemistry 2030, 2031 .....	4
Chemistry 2032, 2033 .....	4
Music 1091 <sup>cf</sup> or Art 1009 <sup>cf</sup> or Theatre 1091 <sup>cf</sup> .....	3
English 2005 <sup>ch</sup> .....	3
Curriculum and Instruction 2001 .....	3
Geology 1001 <sup>cs</sup> .....	3
Psychology 2005 <sup>cs</sup> .....	3
	29

Junior Year	Hrs.
Chemistry 3010, 3050 .....	6
Chemistry 2040, 2041 .....	4
Curriculum and Instruction 3076, 3003, 3002, 4001 .....	12
Psychology 3001 <sup>uc</sup> .....	3
Special Education 4015 .....	3
Reading 4018 .....	3
	31

Senior Year	Hrs.
Curriculum and Instruction 3004, 4085, 4056 .....	15
Special Education 3010, 4020, 4025 .....	9
Reading 4020 .....	3
Chemistry 3052 .....	3
	30

Total hours for degree, 124.

\*See University Core Curriculum requirements.

## BACHELOR OF SCIENCE IN CHEMISTRY EDUCATION (Inclusive Grades 6-12)

Freshman Year	Hrs.
English Composition 1001 <sup>ce</sup> , 1002 <sup>ce</sup> .....	6
Mathematics 1011 <sup>cm</sup> , 1012 <sup>cm</sup> .....	6
Biology 1020 <sup>cnp</sup> , 1021 .....	4
Psychology 2001 .....	3
Curriculum and Instruction 2085 .....	3
Chemistry 1007 <sup>cnp</sup> , 1008 .....	4
Chemistry 1009 <sup>cnp</sup> , 1010 .....	4
Atmospheric Science 1001 .....	3
University Seminar 1001 .....	(1)
	34
<b>Sophomore Year</b>	
History 1011 <sup>ch</sup> , 2002 <sup>ch</sup> .....	6
Chemistry 2030, 2031 .....	4
Chemistry 2032, 2033 .....	4
Music 1091 <sup>cf</sup> or Art 1009 <sup>cf</sup> or Theatre 1091 <sup>cf</sup> .....	3
English 2005 <sup>ch</sup> .....	3
Curriculum and Instruction 2001 .....	3
Geology 1001 <sup>cs</sup> .....	3
Psychology 2005 <sup>cs</sup> .....	3
	29
<b>Junior Year</b>	
Chemistry 3010, 3050 .....	6
Chemistry 2040, 2041 .....	4
Curriculum and Instruction 3076, 3003, 3002, 4001 .....	12
Psychology 3001 <sup>uc</sup> .....	3
Special Education 4015 .....	3
Reading 4018 .....	3
	31
<b>Senior Year</b>	
Curriculum and Instruction 3004, 4085, 4056 .....	15
Special Education 3010, 4020, 4025 .....	9
Reading 4020 .....	3
Chemistry 3052 .....	3
	30

Total hours for degree, 124.

\*See University Core Curriculum requirements.

## BACHELOR OF SCIENCE IN EARTH SCIENCE EDUCATION (Grades 6-12)

Freshman Year	Hrs.
Core English Composition* .....	6
Mathematics 1011 <sup>cm</sup> .....	3
Mathematics 1012 <sup>cm</sup> .....	3
Biology 1020 <sup>cnp</sup> , 1021 .....	4
Secondary Focus Course .....	3
Curriculum and Instruction 2085 .....	3
Geology 1001 <sup>cnp</sup> , 1002 <sup>cnp</sup> , 1003 <sup>cnp</sup> , 1004 <sup>cnp</sup> .....	8
Educational Foundations 2001 .....	3
UNIV 1001 .....	(1)
	33

<b>Sophomore Year</b>	
History 1011 <sup>ch</sup> , 2002 <sup>ch</sup> .....	6
Geology 2011, 2013 .....	4
Geology 2020, 2021 .....	4
Atmospheric Sciences 1001 <sup>cnp</sup> .....	3
Music 1091 <sup>cf</sup> or Art 1009 <sup>cf</sup> or Theatre 1091 <sup>cf</sup> .....	3
English 2005 <sup>ch</sup> .....	3
Secondary Focus Courses .....	6
Psychology 2001 <sup>cs</sup> , 2005 <sup>cs</sup> .....	6
	35

<b>Junior Year</b>	
Geology 2080, 4018, 3009 .....	9
Geology Elective .....	3
Curriculum and Instruction 3076, 3003, 3002 .....	9
Curriculum and Instruction 3086 .....	1
Psychology 3001 <sup>uc</sup> .....	3
Secondary Focus Courses .....	6
	31

<b>Senior Year</b>	
Curriculum and Instruction 3004, 4083 .....	6
Curriculum and Instruction 4056 .....	9
Reading 4019 .....	3
Secondary Focus Courses .....	6
	24

Total hours for degree, 123.

\*See University Core Curriculum requirements.

## BACHELOR OF SCIENCE IN MATHEMATICS EDUCATION (Inclusive Grades 6-12)

Freshman Year	Hrs.
English Composition 1001 <sup>ce</sup> , 1002 <sup>ce</sup> .....	6
Mathematics 1013 <sup>cm</sup> , 1031 <sup>cm</sup> .....	7
Physics 2003 <sup>cnp</sup> , 2009 .....	4
Biology 1020 <sup>cnp</sup> , 1021 .....	4
Curriculum and Instruction 2085 .....	3
History 1011 <sup>ch</sup> , 2002 <sup>ch</sup> .....	6
Psychology 2001 <sup>cs</sup> .....	3
Curriculum and Instruction 2085 .....	3
University Seminar 1001 .....	(1)
	36

<b>Sophomore Year</b>	
Mathematics 1032, 2032 .....	8
Physics 2004, 2010 .....	4
Mathematics 2002, 2040, 3003 .....	9
Music 1091 <sup>cf</sup> or Art 1009 <sup>cf</sup> or Theatre 1091 <sup>cf</sup> .....	3
English 2005 <sup>ch</sup> .....	3
Psychology 2005 <sup>cs</sup> .....	3
Curriculum and Instruction 2001 .....	3
	33

<b>Junior Year</b>	
Mathematics 3007, 3086, 4007, 4042 .....	12
Curriculum and Instruction 3002, 3003, 3076, 4001 .....	12
Psychology 3001 <sup>uc</sup> .....	3
Reading 4019 .....	3
Special Education 4015 .....	3
	33

<b>Senior Year</b>	
Special Education 3010, 4020, 4025 .....	9
Reading 4020 .....	3
Curriculum and Instruction 3004, 4056, 4085 .....	15
	27

Total hours for degree, 129.

\*See University Core Curriculum requirements

## DEPARTMENT OF KINESIOLOGY

Alford, Andrews, Campbell, Church, Colvin, 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, and fitness and sports industry. 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 School, the University of Louisiana at Monroe.

Students expecting to earn the Bachelor's degree in Kinesiology in the Health and Physical Education Certification concentration area must meet all eligibility requirements for initial licensure in Louisiana prior to student teaching and passing scores on PRAXIS I or a composite of 22 on the ACT and PRAXIS II. Kinesiology teacher candidates must make a "C" or better in all courses counting towards their degree.

Students expecting to earn the Bachelor's degree in Kinesiology with a concentration in Exercise Science Pre-Physical Therapy are required to take the ACSM Health Fitness Specialist (HFS) examination, or a departmentally-approved exit exam, as determined by their advisor.

Students expecting to earn the Bachelor's degree in Kinesiology with a concentration in Exercise Science are required to take the ACSM Health Fitness Specialist (HFS) examination, or a departmentally-approved exit exam, as determined by their advisor.

Students expecting to earn the Bachelor's degree in Kinesiology with a concentration in Fitness and Sports Industry are required to take either the ACSM Certified Personal Trainer (CPT) examination, the NSCA Certified Personal Trainer (CPT) examination, the NSCA Certified Personal Trainer (CPT) examination, or a departmentally-approved exit exam, as determined by their advisor.

Kinesiology majors must make a "C" or better in all Kinesiology courses counting towards their degree and are required to purchase and regularly update their student account on TaskStream.

### KINESIOLOGY

**Concentrations include: Health and Physical Education Certification, Exercise Science, Exercise Science/Pre-Physical Therapy, and Fitness and Sports Industry.**

**The Health and Physical Education Certification Concentration** prepares students to teach K-12 health and physical education by providing coursework and experiences in the areas of health and physical education. Required for a major in Kinesiology with a concentration in Health and Physical Education

Certification: PSYC 2003, PSYC 2005; DANC 3001; ENGL 2005; HIST 1011; HIST 2001 or 2002; PSYC 3001; CURR 2085, CURR 3086; KINS 2002, KINS 3006, KINS 3019, KINS 3033, KINS 3034, KINS 3035, KINS 3055, KINS 4003, KINS 4017, KINS 4031, KINS 4046; CURR 3076, CURR 4084, CURR 4056; READ 4019. — Total of 46 semester hours.

**The Exercise Science Concentration** prepares students for careers in applied and clinical preventive settings, including, but not limited to, cardiac rehabilitation, hospital-based wellness programs, community fitness centers, or university and corporate wellness programs, as well as entry into graduate exercise science programs. Required for a major in Kinesiology with a concentration in Exercise Science: KINS 3018; KINS 4002, 4010 or 4041; KINS 4035; CHEM 1002, 1003, 1004; 6 hours of advisor or department head approved science electives; HLST 2007 or NURS 2080 or MGMT 3001 or MGMT 3005 or CMST 2001 or ENGL 3021 or HLST 2001 or PSYC 2078 or PSYC 4001 or PSYC 4010 or PHYS 3004. — Total of 43 semester hours.

**The Exercise Science/Pre-Physical Therapy Concentration** prepares students for the application process to physical therapy programs. However, it will also prepare students for careers in the applied and clinical preventive settings, including, but not limited to cardiac rehabilitation, hospital-based wellness programs, community fitness centers, or university and corporate wellness programs. Required for a major in Kinesiology with a concentration in Exercise Science/Pre-Physical Therapy: KINS 3018, KINS 4002, KINS 4010 or 4041 or 4043 or 4044, KINS 4034, KINS 4035; CHEM 1008, CHEM 1009, CHEM 1010; PHYS 2003, PHYS 2004, PHYS 2009, PHYS 2010; PHYS 3004; BIOL 1014, BIOL 1015, BIOL 1016, BIOL 1017. — Total of 39 semester hours. Students intending to pursue entry into a physical therapy program will be required to take additional hours and make substitutions as recommended by their academic advisor.

**Fitness and Sports Industry Concentration** prepares students with a background in fitness or sport and business. Professionals in this field are involved with managing, promoting and marketing health clubs, fitness centers or sports teams. Required for a major in Kinesiology with a concentration in Fitness and Sports Industry: 1 hour KINS Activity Class, KINS 2002, KINS 3008, KINS 3018, KINS 3019, KINS 3035 or 3055, KINS 4019, KINS 4035, and 18 hours of electives to be chosen from the following: MGMT 3001, MGMT 3005, BUSN 1001, BUSN 3005, ACCT 1001, ACCT 2012, ACCT 2013, MRKT 3001, MRKT 3007, MRKT 4007, MCOM 2001, MCOM 2002, ECON 1003, ECON 2001, ENGL 3021 or CMST 2001. — Total of 42 semester hours.

**KINESIOLOGY**

**(Concentration: Health and Physical Education Certification)**

<b>Freshman Year</b>	<b>Hrs.</b>
English 1001 <sup>ce</sup> , 1002 <sup>ce</sup> .....	6
Mathematics 1011 <sup>cm</sup> .....	3
Mathematics 1012 <sup>cm</sup> or 1016 <sup>cm</sup> or 1018 <sup>cm</sup> .....	3
Psychology 2001 <sup>cs</sup> .....	3
History 1011 <sup>ch</sup> , 2001 or 2002 <sup>ch</sup> .....	6
Curriculum 2085 .....	3
Kinesiology 2001, 2011 .....	4
Biology 1014 <sup>cnp</sup> .....	3
University Seminar 1001 .....	(1)
	31
<b>Sophomore Year</b>	
Psychology 2003, 2005 .....	6
Dance 3001 .....	3
Biology 1015 .....	3
Kinesiology 2002, 2041 .....	5
Kinesiology 3006, 3012, 3021, 3033, 3055 .....	14
	31
<b>Junior Year</b>	
English 2005 .....	3
Psychology 3001 <sup>uc</sup> .....	3
Physical Science/Physics/Chemistry Elective .....	3
Kinesiology 3019, 3035, 3065 .....	8
Kinesiology 4003, 4011, 4017, 4032, 4046 .....	15
	32
<b>Senior Year</b>	
Curriculum 3076, 3086 .....	4
Curriculum 4056 .....	9
Curriculum 4084 .....	3
Reading 4019 .....	3
Kinesiology 3034, 4008, 4031, 4037 .....	12
	31
Total hours for degree, 125.	

**KINESIOLOGY**

**(Concentration: Exercise Science)**

<b>Freshman Year</b>	<b>Hrs.</b>
English 1001 <sup>ce</sup> , 1002 <sup>ce</sup> .....	6
Mathematics 1011 <sup>cm</sup> .....	3
Mathematics 1012 <sup>cm</sup> or 1016 <sup>cm</sup> or 1018 <sup>cm</sup> .....	3
Biology 1014 <sup>cnp</sup> , 1016 .....	4
Computer Science 1070 .....	3
Psychology 2001 .....	3
Science Elective .....	3
Kinesiology 2001, 2011, 2021 .....	6
University Seminar 1001 .....	(1)
	31
<b>Sophomore Year</b>	
Biology 1015, 1017 .....	4
Core Fine Arts <sup>cf</sup> .....	3
Core Social Sciences .....	3
Core Humanities .....	6
Chemistry 1001, 1003 .....	4
Kinesiology 2041, 3012, 3018, 3021 .....	12
	32
<b>Junior Year</b>	
Core Humanities .....	3
Science Elective .....	3
Chemistry 1002, 1004 .....	4
Kinesiology 3065, 4011, 4032, 4043 .....	12
Exercise Science Electives .....	6
KINS Activity course .....	1
	29

(Concentration: Exercise Science continued)

**Senior Year**

Exercise Science Electives .....	6
Kinesiology 4002 .....	3
Kinesiology 4008 .....	3
Kinesiology 4010 or 4041 .....	3
Kinesiology 4035 .....	6
Kinesiology 4037 .....	3
Kinesiology 4045 <sup>uc</sup> .....	3
Kinesiology 4043 .....	1
	28
Total hours for degree, 120.	

**Concentration Menu**

Nursing 2080 .....	3
Health Studies 2007 .....	3
Psychology 4039 .....	3
English 3021 .....	3
Management 3001 .....	3
Management 3005 .....	3
Communication Studies 2001 .....	3
Health Studies 2001 .....	3
Psychology 2078 .....	3
Psychology 4001 .....	3
Psychology 4010 .....	3
Psychology 3001 .....	3

**KINESIOLOGY**

**(Concentration: Exercise Science/Pre-Physical Therapy)**

<b>Freshman Year</b>	<b>Hrs.</b>
English 1001 <sup>ce</sup> , 1002 <sup>ce</sup> .....	6
Mathematics 1011 <sup>cm</sup> .....	3
Mathematics 1012 <sup>cm</sup> .....	3
Biology 1014 <sup>cnp</sup> , 1015, 1016, 1017 .....	8
Psychology 2001 <sup>cs</sup> .....	3
Kinesiology 2001, 2011, 2021, 2041 .....	9
University Seminar 1001 .....	(1)
	32
<b>Sophomore Year</b>	
Core Social Science .....	3
Chemistry 1007 <sup>cnp</sup> .....	3
Chemistry 1009 .....	1
Core Fine Arts .....	3
Computer Science 1070 .....	3
Core Humanities .....	6
Kinesiology 3012, 3021, 3065, 3018 .....	12
	31
<b>Junior Year</b>	
Core Humanities .....	3
Biology 1020, 1021, 1022, 1023 .....	8
Chemistry 1008, 1010 .....	4
Kinesiology 4002, 4011, 4032 .....	9
Kinesiology 4010 or 4041 or 4043 .....	3
Physics 2003, 2009 .....	4
	31
<b>Senior Year</b>	
Psychology 2078, 4001 .....	3
Physics 3004 .....	3
Physics 2004, 2010 .....	4
Kinesiology 4008 .....	3
Kinesiology 4034 .....	1
Kinesiology 4035, 4037 .....	9
Kinesiology 4045 <sup>uc</sup> .....	3
	26
Total hours for degree, 120.	

**KINESIOLOGY**

**(Concentration: Fitness and Sports Industry)**

<b>Freshman Year</b>	<b>Hrs.</b>
English 1001 <sup>ce</sup> , 1002 <sup>ce</sup> .....	6
Mathematics 1011 <sup>cm</sup> .....	3
Mathematics 1012 <sup>cm</sup> or 1016 <sup>cm</sup> or 1018 <sup>cm</sup> .....	3
Biology 1001 <sup>cnp</sup> or 1014 <sup>cnp</sup> .....	3
Biology 1010 <sup>cnp</sup> or 1015 <sup>cnp</sup> .....	3
Psychology 2001 <sup>cs</sup> .....	3
Kinesiology 2001 .....	1
Kinesiology 2011 .....	3
Kinesiology 2021 .....	2
University Seminar 1001 .....	(1)
	<u>28</u>
<b>Sophomore Year</b>	
Kinesiology 2002 .....	2
Kinesiology 2041 .....	3
Kinesiology 3012 .....	3
Kinesiology 3018 .....	3
Communication Studies 2001 .....	3
Core Fine Arts <sup>cf</sup> .....	3
Core Natural/Physical Sciences (PSCI/PHYS/CHEM) ....	3
Computer Science 1070 .....	3
Core Social Sciences <sup>cs</sup> .....	3
Core Humanities <sup>ch</sup> .....	6
	<u>29</u>
<b>Junior Year</b>	
Kinesiology 3008 .....	3
Kinesiology 3019 .....	3
Kinesiology 3021 .....	3
Kinesiology 3035 or 3055 .....	2
Kinesiology 3065 .....	3
Kinesiology 4008 .....	3
Kinesiology 4011 .....	3
Core Humanities <sup>ch</sup> .....	3
Concentration Menu .....	9
	<u>32</u>
<b>Senior Year</b>	
Kinesiology 4019 .....	3
Kinesiology 4032 .....	3
Kinesiology 4034 .....	1
Kinesiology 4035 .....	6
Kinesiology 4037 .....	3
Kinesiology 4045 <sup>uc</sup> .....	3
Concentration Menu .....	12
	<u>31</u>
Total hours for degree, 120.	
<b>Concentration Menu</b>	
Management 3001 .....	3
Management 3005 .....	3
Business 1001 .....	3
Business 3005 .....	3
Accounting 1010 .....	3
Accounting 2012 .....	3
Accounting 2013 .....	3
Marketing 3001 .....	3
Marketing 3007 .....	3
Marketing 4007 .....	3

Marketing 3001 .....	3
Mass Communication 2001 .....	3
Mass Communication 2002 .....	3
English 3021 .....	3
Economics 1003 .....	3
Economics 2001 .....	3
Communication Studies 2001 .....	3

**DEPARTMENT OF PSYCHOLOGY**

Williamson, Bramstedt, Cottingham, Ford, Hutto, Lewis, McCown, McGahan, Palmer, Stevens

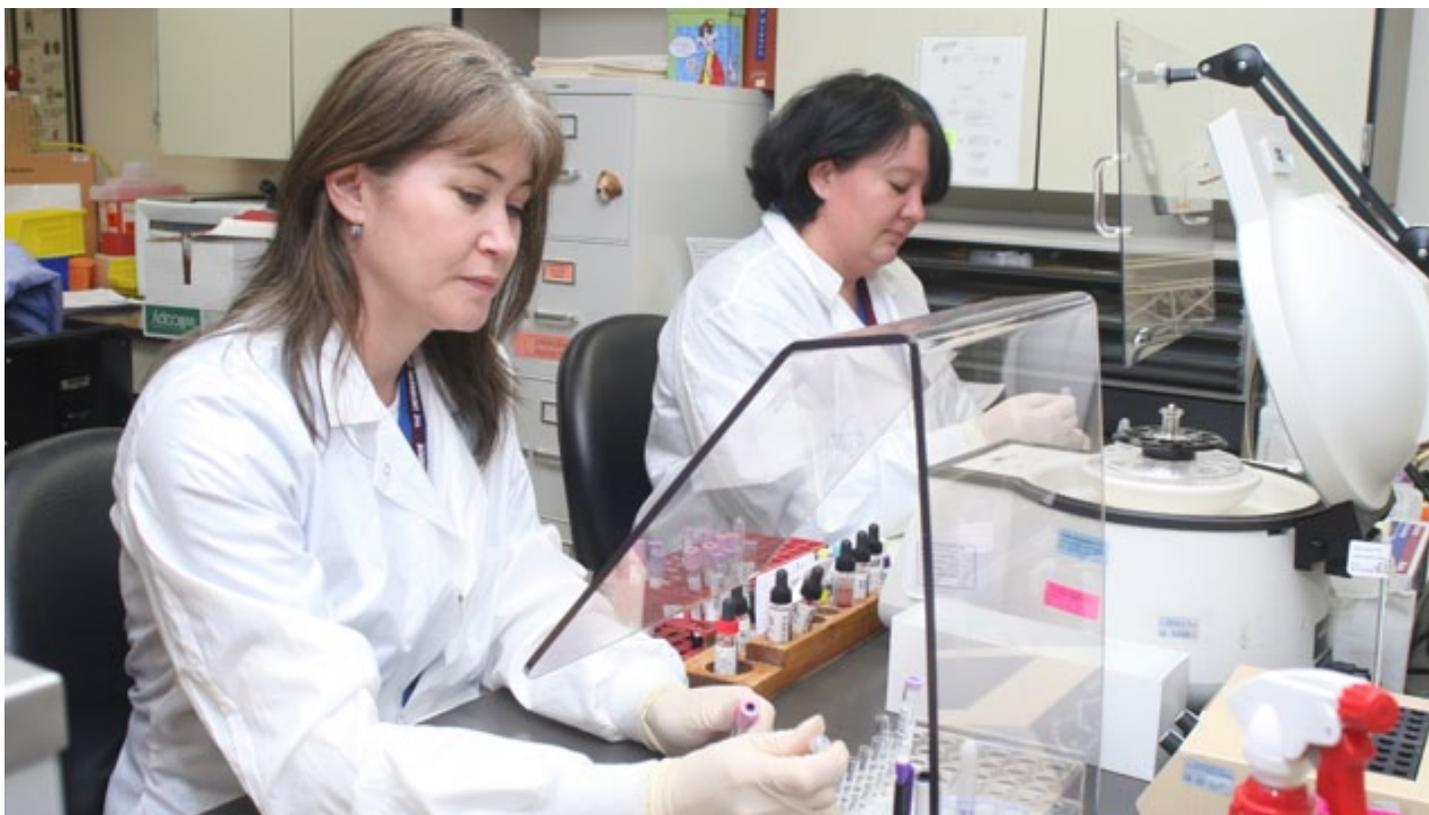
The Department of Psychology offers an undergraduate curriculum in psychology either through in-class attendance or online which provides a basic arts and sciences education including courses in all major content areas of psychology. The program is designed primarily to provide students with background 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**

<b>Freshman Year</b>	<b>Hrs.</b>
Core English Composition <sup>1</sup> .....	6
Core Mathematics 1011 <sup>1</sup> .....	3
Core Mathematics 1016 <sup>1</sup> .....	3
Core Natural Science (Biology above 1010) <sup>1</sup> .....	3
Core Physical Science <sup>1</sup> .....	3
Core Social Science (Group I) <sup>1</sup> .....	3
Kinesiology Activities .....	2
Communication Studies 1001 or 1018 or 2001 .....	3
Psychology 2001 .....	3
UNIV 1001 .....	(1)
	<u>29</u>
<b>Sophomore Year</b>	
Core Fine Arts <sup>1</sup> .....	3
Core Humanities (Sequence) <sup>1</sup> .....	6
Core Social Science (Group II) <sup>1</sup> .....	3
Core Natural Science (Biology above 1010) <sup>1</sup> .....	3
Kinesiology Activities .....	2
Biology 2026 .....	3
General Electives <sup>2</sup> .....	8
Psychology 2003 or 2078 .....	3
	<u>31</u>
<b>Junior Year</b>	
Core Humanities (Alternative) <sup>1</sup> .....	3
Computer Science 1070 .....	3
General Electives <sup>2</sup> .....	9
Psychology 3003, 3039, 4000, 4007, 4039 .....	15
	<u>30</u>
<b>Senior Year</b>	
General Electives <sup>2</sup> .....	9
Psychology 4099 <sup>uc</sup> .....	3
Psychology (5 of 11) <sup>3</sup> .....	15
Psychology 4011 .....	3
	<u>30</u>
Total hours for degree, 120.	

*(Psychology continued)*

- 1 Psychology majors should see the University Core Curriculum requirements.
- 2 At least nine hours of general electives must be taken from courses numbered 3000 and above.
- 3 Choose five courses from: Psychology 3015, 3016, 3019, 3025, 3060, 4001, 4002, 4003, 4004, 4006, 4050, 4051



# COLLEGE OF HEALTH SCIENCES

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

DENNY G. RYMAN, Dean  
Sugar 151

## ACADEMIC PROGRAMS

Associate of Science (AS)  
Bachelor of Science (BS)  
Bachelor of Science Nursing (BSN)  
Master of Science (MS)

## HEALTH SCIENCES UNDERGRADUATE DEGREES

ACADEMIC UNIT	MAJOR	DEGREE
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 Medical Laboratory Science	Medical Laboratory Science	BS
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	BSN

\*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 medical laboratory science, 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; University Seminar (1); and University Capstone, 3 hours.

## 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 (TRADITIONAL STUDENTS)

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 20 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.

Completed application 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.

### ONLINE DEGREE COMPLETION PROGRAM

The online 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 ONLINE DEGREE COMPLETION PROGRAM

This online degree 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, and licensure in at least one state;
- 3) Complete college transcripts;
- 4) Application for admission to the University of Louisiana at Monroe.

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.

<b>Pre-Requisite and Core Courses</b>	<b>Hrs.</b>
Core English Composition* .....	6
Chemistry 1001 <sup>cnp</sup> , 1002 <sup>cnp</sup> .....	6
Biology 1014 <sup>cnp</sup> , 1015 <sup>cnp</sup> , 1016, 1017 .....	8
Biology 2014, 2015 .....	4
Mathematics 1011 <sup>cm</sup> , 1016 <sup>cm</sup> .....	6
Sociology 1001 <sup>cs</sup> .....	3
Psychology 2001 <sup>cs</sup> .....	3
Core Humanities Electives .....	9
Communication Studies 1001 or 1002, 1018 or 2060 or 4026 .....	6
Health Studies 2007 .....	3
Fine Arts Elective.....	3
	57

<b>Professional Course Requirements</b>	<b>Hrs.</b>
Health Studies 3004 .....	3
Dental Hygiene 4020, 4024, 4025, 4027, 4030, 4033, 4034.....	18
	21

42 hours will be granted for courses taken in the associate degree pursued by the applicant. Total for degree, 120.

### 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

<b>Freshman Year</b>	<b>Hrs.</b>
Core English Composition* .....	6
Chemistry 1001 <sup>cnp</sup> , 1002 <sup>cnp</sup> .....	6
Biology 1014 <sup>cnp</sup> , 1015 <sup>cnp</sup> , 1016, 1017 .....	8
Mathematics 1011 <sup>cm</sup> , 1016 <sup>cm</sup> .....	6
Sociology 1001 <sup>cs</sup> .....	3
Psychology 2001 <sup>cs</sup> .....	3
UNIV 1001 .....	(1)
	32

**Sophomore Year**

Core Humanities Electives* .....	9
Core Fine Arts* .....	3
Biology 2014, 2015 .....	4
Communication Studies 1001 or 2001.....	3
Communication Studies 1018, or 2060, or 4026 .....	3
Health Studies 2007 .....	3
	25

**DENTAL HYGIENE**

**Junior Year**

	<b>Hrs.</b>
Dental Hygiene 3018, 3019, 3020, 3021, 3022, 3023, 3024, 3025, 3026, 3027 .....	22
Nursing 2080 .....	3
*Health Studies 3004 <sup>UC</sup> .....	3
	28

**Summer Session First Term**

Dental Hygiene 4015, 4016, 4017 .....	4
	4

**Senior Year**

Dental Hygiene 4014, 4019, 4020, 4021, 4022, 4024, 4027, 4028, 4029, 4033, 4034.....	31
	31

Total hours for degree, 120.

\*Students should see the University Core Curriculum requirements.

**DEPARTMENT OF HEALTH STUDIES**

Dolecheck, Griswold, Tommerdahl

**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, professional health leaders 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 2000, ENGL 3021, ECON 2001, FINA 3015, MGMT 3001 and MGMT 3005.
- 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.

Students are expected to meet additional academic requirements and follow procedures to register for HLST 4003 Practicum II. Students who seek to register for HLST 4003 in the spring semester, must submit their intent to register form in the fall semester by the designated due date to the Practicum Coordinator. Students who seek to register for HLST 4003 in the summer and fall semesters must submit the intent to register form in the spring semester by the designated due date. The intent to register form is located on the Department of Health Studies webpage with due dates listed. There is a course fee for HLST 4003 in addition to regular semester fees. Students must meet and recognize the following requirements to register for HLST 4003.

- Declared a major in BSHS.
- Completion of 90 credits in the BSHS curriculum.
- Completion of all 2000 and 3000 level HLST courses.
- Good standing with the University.
- Minimum overall GPA of 2.0.
- A minimum GPA of 2.75 with a "C" or better in all HLST courses.
- Application and approval for progression to the HLST 4003.

Students can select from a variety of classes at ULM that will serve as Health Studies electives. Potential Health Studies electives are listed on Flightpath for student convenience. Electives must be completed at the 3000 or 4000 level or approved by the academic advisor.

**BSHS DEGREE PROGRAM**

The Department of Health Studies 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 (HSPP) Option: This option is for those students who plan to seek admission to post-baccalaureate graduate programs such as occupational therapy (OT) or 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 Healthcare Management/Marketing degree plan option. 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.
- 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.
English 1001 <sup>ce</sup> and 1002 <sup>ce</sup> .....	6
Mathematics 1011 <sup>cm</sup> and 1012 <sup>cm</sup> .....	6
Psychology 2001 <sup>cs</sup> .....	3
Biology 1020 <sup>cnp</sup> , 1021 .....	4
Chemistry 1007 <sup>cnp</sup> , 1009 .....	4
Biology 1014 <sup>cnp</sup> , 1016 .....	4
Core Fine Arts .....	3
Core Humanities .....	3
UNIV 1001 .....	(1)
	33
Sophomore Year	
Biology 1015, 1017, 2028 .....	7
Physics 2003, 2009 .....	4
Chemistry 1008, 1010 .....	4
Psychology 2078 .....	3
Sociology 1001 <sup>cs</sup> or 1002 <sup>cs</sup> .....	3
Health Studies 2001, 2002 .....	4
Allied Health Science 2000 .....	2
Core Humanities .....	3
	30
Junior Year	
Biology 2040, 2041 .....	4
Biology 2014, 2015 .....	4
Psychology 4039 .....	3
Health Studies 3001, 3002, 3003 .....	7
Core Humanities .....	3
English 3021 .....	3
*Guided Electives .....	6
	30
Senior Year	
Psychology 4001 .....	3
Health Studies 3004 <sup>uc</sup> .....	3
Communication Studies 4026 .....	3
Health Studies 4001, 4002 or 4003, 4005 or 4006 .....	8
*Guided Electives .....	10
	27
Total hours for degree, 120.	

\*Guided Electives: select from courses that strengthen career options in Pre-Professional Health Studies.

\*\*Directed Elective: course will be assigned by the department.

- AACSB accreditation requirements limit the College of Business Administration credits which may be applied toward graduation in Health Studies Curricula to 30 semesters hours for the Bachelor's degree.

**OPTION: HEALTHCARE MANAGEMENT/  
MARKETING DEGREE PLAN**

**DEPARTMENT OF MEDICAL  
LABORATORY SCIENCE**

Wisenor, Chapman, Lasiter

<b>Freshman Year</b>	<b>Hrs.</b>
English 1001 <sup>ce</sup> and 1002 <sup>ce</sup> .....	6
Mathematics 1011 <sup>cm</sup> .....	3
Psychology 2001 <sup>cs</sup> .....	3
Biology 1014 <sup>cnp</sup> .....	3
Biology 1015 <sup>cnp</sup> .....	3
Core Physical Science.....	3
Core Fine Arts.....	3
Core Humanities.....	3
UNIV 1001 .....	(1)
	<hr style="width: 100%;"/>
	27

<b>Sophomore Year</b>	
Mathematics 1016.....	3
Accounting 2012 .....	3
Economics 2001.....	3
Sociology 1001 <sup>cs</sup> or 1002 <sup>cs</sup> .....	3
Health Studies 2001, 2002 .....	4
Allied Health Science 2000 .....	2
Insurance 2005.....	3
Biology 2028 .....	3
Core Humanities.....	6
	<hr style="width: 100%;"/>
	30

<b>Junior Year</b>	
Anthropology 2007 .....	3
Management 3001 .....	3
Marketing 3001 .....	3
Business 3005.....	3
Health Studies 3001, 3002, 3003, 3004 <sup>uc</sup> .....	10
Management 3005 .....	3
Accounting 2013 .....	3
Finance 3015.....	3
	<hr style="width: 100%;"/>
	31

<b>Senior Year</b>	
Communication Studies 4026.....	3
Business Elective 3000 or higher .....	3
Health Studies 4001, 4002, 4003, 4005, 4006 .....	14
Kinesiology 2001 .....	1
*Guided Electives .....	11
	<hr style="width: 100%;"/>
	32

Total hours for degree, 120.

\*Guided Electives: select from courses that strengthen career options in Pre-Professional Health Studies.

\*\*Directed Elective: course will be assigned by the department.

- AACSB accreditation requirements limit the College of Business Administration credits which may be applied toward graduation in Health Studies Curricula to 30 semesters hours for the Bachelor's degree.

**GENERAL INFORMATION**

Medical laboratory scientists (medical technologists) provide objective data used to make clinical decisions by the laboratory analyses they perform and evaluate. Medical laboratory scientists may pursue diverse career paths including those in hospital laboratories, clinics, research, public health, reference laboratories, forensic laboratories, and educational institutions.

The Medical Laboratory Science (MLSC) curriculum consists of two segments, pre-medical laboratory science (PMLS) and professional medical laboratory science (MLSC). The PMLS segment includes four 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 MLSC segment consists of two calendar years or four academic semesters. The first year of the professional program includes on-campus medical laboratory science didactic and laboratory courses. The second year includes off-campus practicum rotations in affiliated medical laboratories. Medical laboratories affiliated with the ULM MLSC program include St. Francis Medical Center, Monroe, LA; Iasis Glenwood Regional Medical Center, West Monroe, LA; Louisiana State University Health Science Center-Shreveport-E.A. Conway Medical Center, Monroe, LA; West Carroll Memorial Hospital, Oak Grove, LA; LifeShare Blood Centers, Shreveport, LA; Synergy Laboratory, West Monroe, LA; and Oncology Associates of Monroe Laboratory, Monroe, LA.

The Medical Laboratory Science Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Chicago, IL 60618, (773)714-8880. Graduates of the program are eligible to sit for the national certification examination administered by the Board of Certification of the American Society for Clinical Pathology.

**MISSION STATEMENT**

The Medical 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 the community and the nation.

**ADMISSION TO PRE-MEDICAL  
LABORATORY SCIENCE**

Applicants for admission to the pre-professional curriculum (PMLS) must meet the general admission requirements for admission to the University. Applications are submitted to the University Admissions Office.

## ADMISSION TO THE PROFESSIONAL MEDICAL LABORATORY SCIENCE PROGRAM

The Medical Laboratory Science curriculum offers clinical instruction in its educational program as required by the National Accrediting Agency for Clinical Laboratory Sciences. Admissions are determined annually based upon the availability of clinical positions and instructional resources available to the program. Applicants for admission to the professional program must complete the requirements of the PMLS curriculum with a minimum cumulative grade point average of 2.5 (uncorrected, based on a 4.0 system) exclusive of developmental courses, a minimum grade point average of 2.7 (corrected, based on a 4.0 system) in all required pre-professional courses, and possess a grade of "C" or better in all required science, mathematics, and Medical Laboratory Science courses. In addition, applicants must pass a psychomotor evaluation.

Application forms and requirements for admission into the professional program may be obtained from the Medical Laboratory Science website at <http://www.ulm.edu/mls>. Completed application forms, along with the application fee, must be received by the Medical Laboratory Science Admissions Committee by March 15 of the year the student seeks admission for the fall semester. Each application will be reviewed individually for compliance with the requirements for admission. Each qualified student will be granted an interview with the Medical Laboratory Science Admissions Committee to evaluate communication skills and potential for professionalism. The Program Director, with the committee's recommendation, will notify each applicant regarding admission status. Because there are a limited number of clinical positions, students are selected on a competitive basis. Due to utilization of objective criteria in processing applications, attainment of minimum requirements in the pre-Medical Laboratory Science curriculum does not guarantee admission to the professional Medical Laboratory Science program. If a student is not admitted to the professional MLS program, reapplication must be made following the regular procedure. The student must fulfill all prerequisites in the required sequence of courses leading to the application for the professional program in Medical Laboratory Science.

## RETENTION IN THE PROFESSIONAL MEDICAL LABORATORY SCIENCE PROGRAM

Students must maintain a cumulative GPA of 2.5 on a 4.0 scale and earn a minimum grade of "C" in all required professional courses. Failure of a student to earn a minimum grade of "C" in a professional course may preclude progression in the MLSC program.

In the event that a student earns a non-progressive grade of "D" in one professional non-practicum MLSC

course, the student may petition the program director to remediate the course. The Medical Laboratory Science Academics Standards Committee will determine if remediation will be granted according to the program's remediation policy. Remediation must be completed by the deadline imposed by the course instructor. The highest grade that a student may earn in a remediated course is "C". A student who earns less than a grade of "C" in a professional non-practicum MLSC course following remediation will be suspended from the MLSC professional program.

A student who fails to earn a progressive grade in more than one professional non-practicum course will be suspended from the professional program. A student who earns a failing grade of "F" in one professional non-practicum course will be suspended from the professional program.

Students must earn a grade of "C" or better in all practicum courses. Students who earn less than a grade of "C" in a practicum course will be suspended from the professional program.

A student who is not in compliance with ethical, professional behavior or patient welfare guidelines of the program may have sanctions imposed by the Medical Laboratory Science Academic Standards Committee. Sanctions may include dismissal from the program with a course grade of "F".

A student who is suspended from the professional MLSC program must reapply for admission to the program during the next admission cycle of the program. If a student is accepted for readmission, the student must retake all professional MLSC courses.

Students who wish to appeal their suspension from the professional program may appeal to the Medical Laboratory Science Academic Standards Committee to determine if repeated or additional coursework could justify readmission.

## PRE-MEDICAL LABORATORY SCIENCE

<b>Freshman Year</b>	<b>Hrs.</b>
Core English Composition.....	6
Chemistry 1007 <sup>cnp</sup> , 1008, 1009 <sup>cnp</sup> , 1010.....	8
Mathematics 1010 <sup>cm</sup> or 1011 <sup>cm</sup> , 1016 <sup>cm</sup> .....	6
Biology 1020 <sup>cnp</sup> , 1021 .....	4
Core Humanities* .....	3
Core Fine Arts* .....	3
UNIV 1001 .....	(1)
	<hr/>
	30
<b>Sophomore Year</b>	
Core Humanities.....	6
Core Social Sciences* .....	6
Chemistry 2030, 2031 .....	4
Biology 2014, 2015, 2020, 2026, 3005, 3006 .....	14
Health Studies 2001 .....	1
Medical Laboratory Science 2001.....	1
	<hr/>
	32

**MEDICAL LABORATORY SCIENCE****Junior Year**

Medical Laboratory Science 3001.....	1
Medical Laboratory Science 3020, 3021.....	4
Medical Laboratory Science 3024, 3025, 3026.....	7
Medical Laboratory Science 3022, 3027, 3028.....	7
Medical Laboratory Science 3030.....	4
Medical Laboratory Science 3040 <sup>ucc</sup> .....	3
Medical Laboratory Science 4001.....	1
Health Studies 4006.....	<u>3</u>
	30

**Senior Year**

Medical Laboratory Science 4011, 4012, 4022, 4023, 4032, 4033, 4043, 4052, 4053.....	28
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Total hours for degree, 120.

\* Refer to University Core Curriculum requirements

**DEPARTMENT OF OCCUPATIONAL THERAPY**

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 go to the Student Success Center 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 2.700 on a 4.000 scale in all previous coursework attempted at higher institutions of attendance and a minimum 2.700 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 1014, 1015 and Psychology 2078. 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.

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.

**OCCUPATIONAL THERAPY ASSISTANT**

<b>Freshman Year/Year 1</b>	<b>Hrs.</b>
English 1001 <sup>ce</sup> , 1002 <sup>ce</sup> .....	6
Mathematics 1011, 1016.....	6
Psychology 2001, 2078.....	6
Biology 1014, 1015 .....	6
Sociology 1001, 2026.....	6
Fine Arts Elective.....	3
UNIV 1001 .....	(1)
	33

**Sophomore Year/Year 2**

Occupational Therapy 1006, 1015, 2000, 2001, 2004, 2005, 2008, 2010, 2022, 2025, 2026, 2028, 2029, 2032, 2042, 2045, 2060, 2061 .....	39
Core Humanities Elective .....	3
	42

Total hours for degree, 75.

**DEPARTMENT OF RADIOLOGIC TECHNOLOGY**

Allen, Bennett, Davis, 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 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](http://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](http://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.arrt.org](http://www.arrt.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**

<b>Freshman Year</b>	<b>Hrs.</b>
<u>First Semester</u>	
English 1001 <sup>ce</sup> .....	3
*Math 1011, or 1013 <sup>cm</sup> .....	3
Biology 1014 .....	3
Biology 1016 .....	1
Core Humanities <sup>ch</sup> .....	3
UNIV 1001 .....	(1)
	13
<u>Second Semester</u>	
English 1002 <sup>ce</sup> .....	3
*Math 1012 or 1016 <sup>cm</sup> .....	3
Biology 1015 .....	3

Biology 1017 .....	1
Chemistry Elective (1001 or higher).....	3
Core Fine Arts Elective <sup>cf</sup> .....	3
	16

\*Students may take either (Math 1011 and 1012) or (Math 1013 and 1016).

**Sophomore Year**

<u>Fall Semester</u>	
Core Humanities <sup>ch</sup> .....	3
Core Social Science Elective <sup>cs</sup> .....	3
Radiologic Technology 2000 .....	2
Physics 2003 .....	3
Physics 2009 .....	1
Allied Health Science 2000 .....	2
	14

<u>Spring Semester</u>	
Core Humanities <sup>ch</sup> .....	3
Psychology 2001 .....	3
Physics 2004 .....	3
Physics 2010 .....	1
Biology 2028 .....	3
	13

**RADIOLOGIC TECHNOLOGY**

<b>Junior Year</b>	<b>Hrs.</b>
<u>Fall Semester</u>	
RADT 3003, 3009, 3010, 3011, 3015, 3016, 3017 .....	16
<u>Spring Semester</u>	
RADT 3008, 3018, 3019, 3020, 3021, 3024, 3026 .....	14
<u>Summer Semesters</u>	
RADT 3027 .....	4

<b>Senior Year</b>	
<u>Fall Semester</u>	
RADT 4000 <sup>uc</sup> , 4011, 4012, 4013, 4019, 4027 .....	16
<u>Spring Semester</u>	
RADT 4005, 4020, 4025, 4032, 4035 .....	14

Total hours for degree, 120.

**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 forty-three semester hours of credit for their certification. At least 32 hours must be completed through the University of Louisiana at Monroe. The total number of hours for the degree is 120. For further information, visit the ULM Department of Radiologic Technology or the ULM Gateway to Online Degrees (GOLD) website <http://www.ulm.edu/onlinedegrees/>

<b>General Education Requirements</b>	<b>Hrs.</b>
Core English Composition.....	6
Core Fine Arts Elective.....	3
Core Social Science Electives .....	6
Core Humanities Electives .....	9
Core Mathematics.....	6
Biology Electives.....	9
Science Electives .....	9
CSCI 1070.....	3
AHSC 2000.....	2

<b>Professional Requirements</b>	
RADT 4000 <sup>UC</sup> .....	3
RADT 4011, 4025, 4027, 4030, 4035 .....	11
*Guided Electives .....	14
ARRT Certification Credits .....	39
Total hours for degree, 120.	

\* Guided electives: select from courses that strengthen career options in Imaging Science.

## DEPARTMENT OF SPEECH-LANGUAGE PATHOLOGY

(Formerly Communicative Disorders)

Boult, Bryan, Hayes, A. Johnson, Whited

### 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 1000- and 2000-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 1013, 1052, 2001, and 2002 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 1000- and 2000-

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 4002 a student must have 1) completed a speech, language, and hearing screening while enrolled in SPLP 1013, 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 1013, 1052, 2001, 2002, 4001, 4028, and 4033.

### Freshman Year

	<b>Hrs.</b>
University Seminar 1001 .....	(1)
Core English Composition* .....	6
Core Humanities* .....	3
Mathematics 1010 <sup>cm</sup> or 1011 <sup>cm</sup> or 1013 <sup>cm</sup> .....	3
Mathematics 1016* .....	3
Core Physical/Natural Sciences*.....	6
Speech-Language Pathology 1013.....	3
Speech-Language Pathology 2001.....	3
Computer Science 1070.....	(3)
	<hr/> 27

### Sophomore Year

Speech-Language Pathology 1052.....	3
Speech-Language Pathology 2002.....	3
Core Humanities* .....	6
Psychology 2001 <sup>CSS</sup> .....	3
Sociology 1001 <sup>CSS</sup> .....	3
Core Natural/Physical Sciences*.....	3
Psychology 2078.....	3
Elective .....	3
Health Studies 2001 .....	1
Health Studies 2002 .....	3
Allied Health Science 2000 .....	2
	<hr/> 33

### Junior Year

Speech-Language Pathology 4001.....	3
Speech-Language Pathology 4028, 4033.....	6
Health Studies 3001, 3002, 3003.....	7
Communication Studies 1018.....	3
Core Fine Arts* .....	3
Psychology 4001 .....	3
English 3021.....	3
	<hr/> 28

**Senior Year**

Speech-Language Pathology 4002.....	3
Speech-Language Pathology 4003.....	3
Speech-Language Pathology 4004 <sup>UC</sup> .....	3
Health Studies 4001, 4002, 4005, 4006.....	11
Psychology 4003.....	3
Sociology 4025 or Sociology 2026 or Gerontology 4025	3
Electives .....	6
	<hr/>
	32

Total hours for degree, 120.

\*Students should see University Core Curriculum.

**SCHOOL OF NURSING**

Arrant, Bailes, Brooks, Burgess, Campbell, Craighead, Davenport, Doughty, Durkee, Glaze, Holmes, Hughes, Hummel, Jones, Kennedy, Kincannon, Lewis, Miller, Moreau, Morgan, Moss, Reid, Sabin, Smart, Warren, Wiggins

**GENERAL INFORMATION**

The School of Nursing offers the Bachelor of Science in Nursing (BSN). 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**

The School of Nursing offers clinical and didactic, 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.

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, 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 and online. 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 year. 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 required 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.

## 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 probation from the professional nursing program. Students who desire readmission after being on probation, 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 enrolled in or 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 effect.

- 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 clinical or theory requirements. These grades indicate non-progression and successful completion of the course/courses is required before the student can progress.

**TRADITIONAL STUDENT CURRICULUM PLAN**

**PRE-NURSING**

	<b>Hrs.</b>
<b>Freshman Year</b>	
Core English Composition* .....	6
Biology 1014 <sup>cnp</sup> /1016, 1015 <sup>cnp</sup> /1017 .....	8
Mathematics 1011 <sup>cm</sup> , 1016 <sup>cm</sup> .....	6
Chemistry 1001 <sup>cnp</sup> /1003 or 1007 <sup>cnp</sup> /1009 .....	4
Core Fine Arts* .....	3
Psychology 2001 <sup>cs</sup> , 2078 .....	6
UNIV 1001 .....	(1)
	33
<b>Sophomore Year</b>	
Biology 2028 .....	3
Health Studies 2007 .....	3
Biology 2014, 2015 .....	4
Sociology 1001 <sup>cs</sup> or 1002 <sup>cs</sup> .....	3
Nursing 2000 .....	2
	15

**NURSING**

	<b>Hrs.</b>
<b>Sophomore Year</b>	
Nursing 2004, 2016 .....	4
Nursing 2005, 2007 .....	8
Nursing 2080 .....	3
Core Humanities* .....	3
	18
<b>Junior Year</b>	
Nursing 3004, 3005 .....	11
Core Humanities* .....	3
Nursing 3032, 3034, 4030 <sup>uc</sup> .....	13
	27
<b>Senior Year</b>	
Nursing 4004, 4005 .....	11
Core Humanities* .....	3
Nursing 4062, 4063, 4064, 4065, 4037 .....	13
	27

Total hours for degree, 120.

\*Students should see University Core Curriculum requirements.

**ACCELERATED OPTION CURRICULUM PLAN FOR STUDENTS WITH A PREVIOUS BACCALAUREATE DEGREE (ON HOLD)**

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 1001, 1002 .....	6
Mathematics 1011, 1016 .....	6
Chemistry 1001/1003 or 1007/1009 .....	4
Psychology 2001, 2078. ....	6
Sociology 1001 or 1002 .....	3
Health Studies 2007 .....	3
Biology 1014/1016, 1015/1017, 2014, 2015. ....	12
Electives .....	11
<b>Total</b>	<b>63</b>

**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, HLST, 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 2016, 2017 .....	4
Nursing 2004, 2021, 2022 .....	10
Nursing 3021, 3026, 3027 .....	<u>10</u>
	24
Nursing 3023, 3025, 4030uc .....	11
Nursing 4007, 4008, 4009, 4010 .....	14
Nursing 4011, 4012, 4014, 4015, 4037 .....	<u>13</u>
	38

Total Nursing Hours: 62

Total requirements for degree: 125.

**REGISTERED NURSE CURRICULUM PLAN**

The School of Nursing provides an ONLINE 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 have an unencumbered license to practice may be awarded forty 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. An applicant to the RN program must possess a minimum, corrected cumulative grade point average of 2.0 in all

required pre-nursing courses excluding grades earned in developmental courses. No entrance exam is required. Part-time and full-time study is available. This curriculum is a part of the GOLD program.

**RETENTION IN THE RN TO BSN PROGRAM**

Failure of a student to earn a “C” or better (progressive grade) in a professional nursing course will result in automatic probation from the professional nursing program. Students who desire readmission after being on probation, 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 121. Thirty (30) hours must be earned through instruction offered by the University of Louisiana at Monroe.

<b>Pre-Requisite and Core Courses</b>	<b>Hrs.</b>
Core English Composition* .....	6
Biology 1014 <sup>cnp</sup> , 1015 <sup>cnp</sup> , 1016 <sup>cnp</sup> , 1017 <sup>cnp</sup> .....	8
Biology 2014, 2015, 2028 .....	7
Math 1011 <sup>cm</sup> , 1016 <sup>cm</sup> .....	6
Chemistry 1001 <sup>cnp</sup> , 1003 or 1007 <sup>cnp</sup> , 1009 .....	4
Core Fine Arts* .....	3
Psychology 2001 <sup>cs</sup> , Sociology 1001 <sup>cs</sup> or 1002 <sup>cs</sup> .....	6
Psychology 2078 .....	3
HLST 2007 .....	3
Core Humanities* .....	<u>9</u>
	55

**Professional Course Requirements**

Nursing 2080 .....	3
Nursing 2004, 2016, 2020 .....	7
Nursing 4030 <sup>uc</sup> , 4037, 4072, 4073, 4074, 4075 .....	<u>16</u>
	26

40 credit hours granted with current LA RN license upon successful completion of all prerequisites and NURS 2020.

Total Hours for degree, 121.

\*Students should see the University Core Curriculum requirements.

**LPN TO BSN 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 have an unencumbered license 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 UNIV 1001. Other requirements can be found under "Admission to the Professional Nursing Program" section. For further information contact the School of Nursing.

**RETENTION IN THE LPN TO BSN PROGRAM**

Failure of a student to earn a "C" or better (progressive grade) in a professional nursing course will result in automatic probation from the professional nursing program. Students who desire readmission after being on probation, 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 enrolled in or 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**

<b>Freshman Year</b>	<b>Hrs.</b>
Core English Composition** .....	6
Biology 1014 <sup>cnp</sup> /1016, 1015 <sup>cnp</sup> /1017 .....	8
Math 1011 <sup>cm</sup> , 1016 <sup>cm</sup> .....	6
Chemistry 1001 <sup>cnp</sup> /1003 or 1007 <sup>cnp</sup> /1009 .....	4
Core Fine Arts.....	3
Psychology 2001 <sup>cs</sup> , 2078 .....	6
	<b>33</b>
<b>Sophomore Year</b>	
Biology 2028 .....	3
Health Studies 2007 .....	3
Biology 2014, 2015 .....	4
Sociology 1001 <sup>cs</sup> or 1002 <sup>cs</sup> .....	3
Nursing 2002, 2004, 2016 .....	6
Nursing 2005*, 2007* .....	8
Nursing 2080 .....	3
Core Humanities** .....	3
	<b>33</b>

**NURSING**

<b>Junior Year</b>	<b>Hrs.</b>
Nursing 3004 and 3005 or [3007 and 3008] .....	11
Core Humanities** .....	6
Nursing 3032, 3034, 4030 <sup>uc</sup> .....	<u>13</u>
	<b>30</b>
<b>Senior Year</b>	
Nursing 4004, 4005 .....	11
Nursing 4062, 4063, 4064, 4065, 4037 .....	<u>13</u>
	<b>24</b>

Total hours for degree, 120.

\*Credit received after successful completion of challenge examination.

\*\*Students should see the University Core Curriculum requirements.



## COLLEGE OF PHARMACY

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

Benny L. Blaylock, 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 enables 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 are 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.
3. Promote research and scholarship that lead to improved educational outcomes.
4. Assess and evaluate all research and scholarly activity undertaken within the College.
5. Provide appropriate mentorship for faculty development.

### Service

1. 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.
2. Promote wellness and disease prevention.
3. Promote therapeutic interventions, rational medication use, and the judicious use of economic resources.
4. Advance student and faculty participation and leadership in professional organizations.

### Pharmacy Practice

1. Promote and optimize pharmacy care in order to improve patient outcomes.
2. 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:

1. A commitment to developing life-long learning habits.
2. The abilities required for a competent and contemporary patient-centered pharmacy practice.
3. 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; University Seminar (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, Akins, Andrews, Baggarly, Biglane, Brady, Caldwell, Chellette, Cockerham, E. Evans, J. Evans, Feldhaus, Gauthier-Lewis, Jacobs, Labruzzo, Lawrence, Manor, Nickelson, Parish, Pritchard, Racca, Ranzino, Rappaport, Riley, Sirmans, C. Smith, G. Smith, Stewart, Tan, Terrell, 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.

Students applying for admission to the College of Pharmacy must meet the following academic requirements:

1. Have a minimum 2.75 cumulative grade point average;
2. Meet the Louisiana Board of Regents' core curriculum requirements with a grade of "C" or better in each core course;
3. Complete the following course and semester hour requirements with a grade of "C" or better:
  - a. Biology
    1. Microbiology with laboratory (4 semester credits or equivalent)
    2. Human or comparative anatomy with lab and human or mammalian physiology with lab (8 semester credits or equivalent)
    3. Cell biology or cell physiology (3 semester credits or equivalent)
    5. Genetics (3 semester credits or equivalent)
  - b. Business
    1. Economics (3 semester credits or equivalent)
  - c. Chemistry
    1. Inorganic chemistry with laboratories (8 semester credits or equivalent)
    2. Organic Chemistry with laboratories (8 semester credits or equivalent)

3. Biochemistry (3 semester credits or equivalent)
- d. English
  1. English composition (6 semester credits or equivalent)
  2. Technical writing (3 semester credits or equivalent)
- e. Humanities
  1. Public Speaking (3 semester credits or equivalent)
- f. Mathematics
  1. Calculus (3 semester credits or equivalent)
- g. Physics
  1. General physics with laboratories (4 semester credits or equivalent)
- h. Statistics
  1. Statistics (3 semester credits or equivalent)
4. Meet the technical standards of the College of Pharmacy, and
5. Obtain a competitive Pharmacy College Admissions Test score.

For students attending the University of Louisiana at Monroe for their pre-professional requirements, courses listed online at [www.ulm.edu/pharmacy/](http://www.ulm.edu/pharmacy/) will fulfill the College of Pharmacy's pre-professional requirements. This list along with course descriptions provided in the undergraduate or graduate and professional catalog also provide students attending other state or out of state institutions guidance concerning course content for pre-professional requirements.

## 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 2.750 (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 March 1st 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 March 1st 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 admission 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/](http://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 2.750 (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:

- a. identify significant findings from history, physical assessment, and laboratory data; provide a reasonable explanation and analysis of the problem;
- b. determine when additional information is required; suggest appropriate medications and therapy;
- c. develop appropriate treatment plans to improve patient outcomes;
- d. develop patient counseling information at a complexity level appropriate to a particular situation; and
- e. 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:

- a. 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.
- b. 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:

- a. the emotional health required for full use of their intellectual abilities;
- b. the exercise of good judgment;
- c. the prompt completion of all responsibilities attendant to the care of patients, and
- d. 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:

- a. be able to develop professional relationships with patients and their caregivers and partners, providing comfort and reassurance when appropriate while protecting patient confidentiality.
- b. 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.
- c. 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.

- d. 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" in two or more professional pharmacy courses in a semester, or earns a grade of "F" in a professional pharmacy course shall be placed on probation. Academic probation will extend no less than two regular semesters (Fall or Spring). 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 probationary 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 earn a grade of "C" or better on all professional coursework during their probationary period or 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.** An undergraduate student suspended from a System university may not enroll

in another university within the System, but may enroll in a community college. To ensure minimal or no loss of credits upon return to the university, it is recommended that the student consult with his/her university advisor regarding the choice of courses to be taken at 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.

**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 or more than four non-progressing 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 aca-

demic 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. A majority of semester hours required in the professional program must be earned at ULM. All advanced practice experiences must be completed through ULM using ULM approved practitioners and practice sites. 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 1070 (or equivalent) prior to enrolling in the professional pharmacy program.

**EXPERIENTIAL PROGRAM POLICY**

The experiential program component of the professional pharmacy curriculum consists of two supervised experiences of four weeks duration each and seven supervised experience 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, three 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 complete a mandatory practice experience orientation in the month of April or May preceding the start of experiences. Failure to complete 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\***

	<b>Hrs.</b>
PHRD 4000.....	3
PHRD 4002.....	5
PHRD 4004.....	2
PHRD 4008.....	3
PHRD 4010.....	1
PHRD 4012.....	2
PHRD 4014.....	1
PHRD 4020.....	1
PHRD 4025.....	2
PHRD 4027.....	3
PHRD 4029.....	3
PHRD 4031.....	2
PHRD 4033.....	3
PHRD 4035.....	3
PHRD 4047.....	1
PHRD 4049.....	1
PHRD 4050* .....	4
<b>Total</b>	<b>40</b>

**Second Professional Year\***

	<b>Hrs.</b>
PHRD 4052.....	3
PHRD 4054.....	1
PHRD 4056.....	3
PHRD 4058.....	5
PHRD 4070.....	1
PHRD 4074.....	3
PHRD 4077.....	3
PHRD 4079.....	4
PHRD 4081.....	6
PHRD 4083.....	2
PHRD 4099.....	1
PHRD 5000* .....	4
Pharmacy Electives .....	<u>5</u>
<b>Total</b>	<b>41</b>

**Third Professional Year\***

	<b>Hrs.</b>
PHRD 5002.....	2
PHRD 5004.....	2
PHRD 5006.....	3
PHRD 5008.....	2
PHRD 5010.....	6
PHRD 5020.....	1
PHRD 5025.....	2
PHRD 5027.....	2
PHRD 5029.....	2
PHRD 5031.....	2
PHRD 5033.....	2
PHRD 5035.....	3
PHRD 5037.....	2
PHRD 5049.....	1
Pharmacy Electives .....	<u>5</u>
<b>Total</b>	<b>37</b>

**Fourth Professional Year\***

	<b>Hrs.</b>
PHRD 6000.....	6
PHRD 6002.....	6
PHRD 6004.....	6
PHRD 6005.....	3
PHRD 6006.....	6
PHRD 6008.....	6
PHRD 6010.....	6
PHRD 6012.....	<u>6</u>
<b>Total</b>	<b>45</b>

\* - Fall, Spring, and Summer Semester

Total hours for degree, 259 (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**

<b>Freshman Year</b>	<b>Hrs.</b>
Core English Composition* .....	6
Core Fine Arts* .....	3
Core Mathematics* .....	6
Core Social Science* .....	3
Biology 1020 <sup>CNP</sup> , 1021 .....	4
Chemistry 1007 <sup>CNP</sup> , 1008 <sup>CNP</sup> , 1009, 1010 .....	8
Computer Science 1070.....	3
UNIV 1001 .....	(1)
	<u>33</u>

**Sophomore Year**

Biology 2014, 2015; 2020; 2040, 3010, 3013 .....	14
Chemistry 2030, 2031, 2032, 2033 .....	8
Physics 2003 .....	3
Toxicology 1001; 2001 .....	6
	<u>31</u>

**Junior Year**

Core Humanities* .....	3
Core Social Science* .....	3
Chemistry 3050 .....	3
Mathematics 1016 <sup>CM</sup> .....	3
English 3020 .....	3
Electives** .....	6
Toxicology 4011; 4013 .....	4
CMST 2001 .....	3
	<u>28</u>

**Senior Year**

Core Humanities Elective* .....	6
Toxicology 3001 .....	3
Elective** .....	3
Toxicology 4012, 4014, 4024, 4041, 4042, 4043; 4091 <sup>UC</sup> .....	16
	<u>28</u>

Total hours for degree, 120.

\*Students should see the University Core Curriculum requirements.

\*\* Students choosing Toxicology as a major will be required to complete nine hours of electives in a defined topic area. Topic areas include General Toxicology, Environmental Toxicology, Forensic Toxicology, Analytical Toxicology or 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 1000 to 1099, freshman; 2000 to 2099, sophomore; 3000 to 3099, junior; 4000 to 4099, senior; 5000 to 5099, graduate; 6000 to 7099, graduate courses beyond the master's level. Where indicated, certain 4000-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: 3007, 3008, 3010, 3011, 3020, 3030, 4010, 4020, three-hour 4000-level Accounting elective, Business Law 4040, —Total of 30 semester hours.

Required for a minor: Accounting 2012, 2013, 3010, 3011, 3020, 3030—Total of 18 semester hours.

4000-level accounting courses are open only to juniors/seniors in the College of Business Administration, or with permission of department head.

### For Undergraduates Only

**1010. ACCOUNTING 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

**2012. 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

**2013. 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: 2012. F, Sp, Sum

**3007. 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. Not applicable to a major or minor in Finance. Prerequisites: minimum grades of “C” in 2013 and CSCI 1070, and junior standing. F, Sp

**3008. 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: 2013, CSCI 1070. F, Sp

**3010. INTERMEDIATE FINANCIAL ACCOUNTING 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 2012 and 2013 and junior standing. F, Sp, Sum

**3011. INTERMEDIATE FINANCIAL ACCOUNTING 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 3010 and junior standing. F, Sp, Sum

**3015. MANAGERIAL ACCOUNTING. 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 3015 and 2013.

**3017. TAX FUNDAMENTALS. 3 cr.** Tax problems of individuals, with emphasis on planning to minimize taxes. Not open to accounting majors. Prerequisite: 2012 and 2013; junior standing.

**3019. 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 3019). Prerequisite: INSU 2005; Junior standing or permission of department head. Sp

**3020. COST ACCOUNTING. 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 2012 and 2013; junior standing. F, Sp, Sum

**3021. ADVANCED COST ACCOUNTING. 3 cr.** Analysis and use of cost data as an aid to operational control and profit planning. Prerequisite: Minimum grade of “C” in 3020.

**3030. INCOME TAX. 3 cr.** The Federal Income Tax Law; preparation of returns for individual taxpayers. Prerequisites: minimum grades of “C” in 2012 and 2013; junior standing. F, Sp

**3091. FINANCIAL ACCOUNTING. 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 2012 and 2013.

**4010. 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 3011. F, Sp

**4011. ADVANCED ACCOUNTING II. 3 cr.** Various advanced accounting topics including partnerships, governmental, and consignments. Prerequisite: Minimum grade of “C” in 3011.

**4020. AUDITING. 3 cr.** Auditing theory and procedures. Prerequisites: Minimum grades of “C” in 3008 and 3010. F, Sp

- 4021. ADVANCED AUDITING. 3 cr.** Auditing procedures and practices with special emphasis on the CPA examination. Prerequisite: Minimum grade of "C" in 4020 or permission of department head.
- 4030. ACCOUNTING 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 3011 or permission of department head.
- 4031. 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 3030 or permission of department head. Sp
- 4032. GOVERNMENTAL AND NOT-FOR-PROFIT ACCOUNTING. 3 cr.** Accounting, reporting, and auditing as related to governmental and other not-for-profit organizations. Prerequisites: Minimum grade of "C" in 3010; credit or enrollment in 3011. F
- 4033. INFORMATION SECURITY ASSURANCE. 3 cr.** Understanding the IT auditing process and how it supports enterprise-wide risk management and data security. Prerequisites: Minimum grade of "C" in 3008 or CINS 3050.

## AGRICULTURE (AGRI)

### For Undergraduates Only

- 1001. PLANT SCIENCE. 4 cr.** Principles of agronomic plant production, improvement, maintenance, harvest, storage, marketing and utilization. Three hours lecture and two hours laboratory.
- 1003. PLANT SCIENCE. 4 cr.** Principles of horticulture plant production, improvement, maintenance, harvest, storage, marketing and utilization. Three hours lecture and two hours laboratory.
- 1010. AGRICULTURAL CAREERS. 1 cr.** An introduction to academic and employment opportunities in agriculture careers.
- 1015. 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.
- 3001. 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 1011, 1016.
- 3010. AGRICULTURAL LECTURES. 1 cr.** Lectures to be presented by professional agriculturists. Students will present oral and written interpretations of current topics relating to agriculture.
- 4001. 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.
- 4005. IRRIGATION PRACTICUM. 3 cr.** Principles and techniques in irrigation system design.
- 4011-4012-4013. 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.
- 4029. INTEGRATED PEST MANAGEMENT. 4 cr.** Principles of insect pest management, identification, and control/management systems. Three hours lecture and two hours laboratory. Prerequisite: AGRI 1001 or 1003. (Formerly AGRI 4025, 4026).
- 4030. 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 1001 or 1003. (Formerly AGRI 4027, 4028).
- 4196. AGRICULTURE. 3 cr.** Student participation in research projects in the area of agriculture. Two to three hours per week per credit hour. Prerequisites: Junior or senior standing in agriculture and approval of department head. (formerly AGRI 495A)
- 4197. AGRICULTURAL ECONOMICS. 3 cr.** Student participation in research projects in the area of agricultural economics. Two to three hours per week per credit hour. Prerequisites: Junior or senior standing in agriculture and approval of department head. (formerly AGRI 495B)
- 4198. ANIMAL SCIENCE. 3 cr.** Student participation in research projects in the area of animal science. Two to three hours per week per credit hour. Prerequisites: Junior or senior standing in agriculture and approval of department head. (formerly AGRI 495C)

### For Undergraduates and Graduates

- 4006. 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 1020, 1021, BIOL 2014. Field trip fee required. (Formerly AGRI 4003, 4004).
- 4035. 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 4035).
- 4092. SOIL SCIENCE. 1-6 cr. Maximum, 6 cr.** Individualized work on special problems. Prerequisite: Approval of department head. (formerly AGRI 491A)
- 4093. PLANT SCIENCE. 1-6 cr. Maximum, 6 cr.** Individualized work on special problems. Prerequisite: Approval of department head. (formerly AGRI 491B)
- 4094. ANIMAL SCIENCE. 1-6 cr. Maximum, 6 cr.** Individualized work on special problems. Prerequisite: Approval of department head. (formerly AGRI 491C)
- 4096. AGRICULTURE BUSINESS. 1-6 cr. Maximum, 6 cr.** Individualized work on special problems. Prerequisite: Approval of department head. (formerly AGRI 491D)
- 4097. EQUINE SCIENCE. 1-6 cr. Maximum, 6 cr.** Individualized work on special problems. Prerequisite: Approval of department head. (formerly AGRI 491E)
- 4098. AGRICULTURE BIOMETRICS. 1-6 cr. Maximum, 6 cr.** Individualized work on special problems. Prerequisite: Approval of department head. (formerly AGRI 491F)

## AGRICULTURAL BUSINESS (AGRB)

- 1001. 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
- 2001. 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)

- 2003. 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)
- 3005. 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: Minimum grade of "C" in AGRB 1001, 2001, and 2003.
- 3007. 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. Prerequisite: Minimum grade of "C" in AGRB 1001, 2001, and 2003.
- 3010. 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: Minimum grade of "C" in AGRB 3005.
- 3011. 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)
- 3012. RURAL REAL ESTATE APPRAISAL. 3 cr.** This course covers the basic techniques and principles of estimating fair market value and production value of rural estate committed to agricultural production. Data needs, methodologies, report writing, and appraisal ethics are covered in detail and related to rural land. Prerequisite: AGRB 3005 & 3010.
- 3044. AGRIBUSINESS PRACTICUM. 3 cr.** Design, plan, and execute an approved agribusiness enterprise. May be used for elective credit only. May be repeated. (Formerly AGR 344) Prerequisites: Junior standing.
- 4021. 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: Minimum grade of "C" in AGRB 3010.
- 4023. 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: Minimum grade of "C" in AGRB 3010.
- 4061. 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 4061) Prerequisite: Minimum grade of "C" in AGRB 3007 and 3010.

## AGRONOMY (AGRO)

### For Undergraduates Only

- 2001. 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 1011, CHEM 1001 or 1007.
- 3001. 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 1011.

- 3008. 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: AGR 1001 or 1003.
- 3009. 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: AGR 1001 or 1003.
- 4011. AGRICULTURAL CHEMICALS. 4 cr.** Herbicides, fungicides, insecticides and growth regulators and their uses. Three hours lecture and two hours laboratory. Prerequisites: CHEM 1001 or 1007.

### For Undergraduates and Graduates

- 4004. 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.
- 4013. 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 2001; CHEM 1001, 1005, or 1007.
- 4014. SOIL CLASSIFICATION. 4 cr.** The origin, profile development, composition, and classification of soils. Three hours lecture and two hours laboratory. Prerequisite: AGRO 2001.

## AIR FORCE AEROSPACE STUDIES (AFAS)

- 1001. 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.
- 1002. 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.
- 1011. 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 1001.

## ALLIED HEALTH SCIENCE (AHSC)

### For Undergraduates Only

- 1002. ORIENTATION TO ALLIED HEALTH PROFESSIONS. 3cr.** An on-line introduction to allied health and rehabilitation professions focusing upon roles, career paths, and collaborative training.
- 2000. 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)

## ANTHROPOLOGY (ANTS or ANTG)

Required for a minor: Anthropology 1011, 2001, 3007, 4030 or Linguistics 4051 and 6 additional hours in Anthropology—Total of 18 semester hours.

### For Undergraduates Only

- 1011. 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 1011.)

- 1020. 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.
- 2001. 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 2001.)
- 2007. CULTURAL ANTHROPOLOGY. 3 cr.** A comparative study of the life and organization of human groups throughout the world, with an emphasis on traditional societies.
- 2033. 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 2033 and SOCL 2033).
- 3008. OLD WORLD ARCHEOLOGY. 3 cr.** A survey of the major archeological sequences of prehistoric Eurasia, Africa, and Oceania. (Same as GEOG 3008.)

#### For Undergraduates and Graduates

- 4010. 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 4010.)
- 4011. 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 4011)
- 4014. 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 4014.)
- 4021. 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 4021.)
- 4022. 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 3007 or approval of department head. (Same as SOCL 4022.)
- 4023. 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 4023.)
- 4030. 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 4030.)
- 4035. 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 4035.)

## ARABIC (ARAB)

- 1001. ELEMENTARY ARABIC I. 3 cr. each.** Introduction to the script, pronunciation and grammar of Modern Standard Arabic. Reading, writing, aural comprehension and elementary conversation.
- 1002. ELEMENTARY ARABIC II. 3 cr. each.** Introduction to the script, pronunciation and grammar of Modern Standard Arabic. Reading, writing, aural comprehension and elementary conversation.
- 1003. STUDY ABROAD. 3-6 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 fifteen clock hours per week in formal language instruction. May be repeated with permission of the department head.
- 1097, 1098, 1099. BEGINNING ARABIC. 1 cr. each** An independent study of elementary Arabic with an emphasis on the script, pronunciation, and grammar of Modern Standard Arabic.
- 2001. INTERMEDIATE ARABIC I. 3 cr.** The continuation on the intermediate level of modern standard Arabic. Prerequisite 1002 or approval of department head.
- 2002. INTERMEDIATE ARABIC II. 3 cr.** Continued study of modern standard Arabic on the intermediate level. Prerequisite: ARAB 2001 or approval of department head.
- 3007. 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.
- 4001. PRACTICUM IN ARABIC. 3-12 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 a formal language instruction. May be repeated with permission of the department head. Prerequisite: Arabic 2002 or permission of the department head.

## ART (ART)

The Division of Art, offers the Bachelor of Fine Arts degree with a concentration selected from Art Education, Ceramics, Drawing, Graphic Design, Painting, Photography, Printmaking and Sculpture. Art majors are formally admitted to the BFA program following successful completion of the first Art 3000 portfolio review.

#### Undergraduate Requirements

Required for the BFA degree with a concentration in Studio Art: 24 hours in the following core foundation and art history courses \_ 1001, 1002, 1003, 1004, 2001, 2002, 4026, 4029; core courses required for a major also include 18 hours (at least one course in every concentration not pursued) selected from 2003 or 2004; 2005, 2046; 2057 or 2058 or 2059 or 2060; 2073; 2081, 4004; plus the completion of 24 hours in a major concentration; 12 hours of art electives; and a concentration portfolio.

Required for the BFA degree with a concentration in Art Education: 24 hours in the following core foundation and art history courses \_ 1001, 1002, 1003, 1004, 2001, 2002, 4026, 4029. Core courses required for a major also include 18 hours: 2005, 2046; 2073; 2081, 4004; 3 hours selected from 2003, 2004, 2057, 2058, 2059 or 2060; completion of 36 hours in a major concentration; and a concentration portfolio.

Courses required for concentration are: Art Education [4011, 4012, 4018, CURR 4056 (9cr.), CURR 4084, Art 3000 (3cr.)]; Ceramics [2003, 2004, 4001 (12 cr.), 4045, Art 3000 (3 cr.)]; Drawing [4004 (12 cr.), 4048 (9 cr.), Art 3000 (3 cr.)]; Graphic Design [2005, 2006, 4005 (12 cr.), 4044, Art 3000 (3 cr.)]; Painting [2073, 3073, 4071 (12 cr.), 4046, Art 3000 (3 cr.)]; Photography [2046, 2056, 4055 (12 cr.), 4047, Art 3000 (3 cr.)]; Printmaking [6 credits from 2057, 2058, 2059, or 2060; 4051 (12 cr.), 4049, Art 3000 (3 cr.)]; Sculpture [2081, 3081, 4081 (12 cr.), 4050, Art 3000 (3 cr.)]

A total of 78 semester hours in art is required with a grade of "C" or better in each course.

Required for a minor: 1001, 1002, 1003, 2001, 2002; 2058, 2059 or 2060; 2073, and 3 semester hours of crafts courses—Total of 24 semester hours.

Required for a minor (specialization): 1001, 2001, 2002, 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

- 1001. 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.
- 1002. 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: 1001. Additional course fee \$50.
- 1003. DRAWING. 3 cr.** Beginning drawing in a variety of media. One hour lecture and five hours studio. Additional course fee \$50.
- 1004. FIGURE DRAWING. 3 cr.** Drawing made from models. Six hours studio. Prerequisite: 1003. Additional Course Fee \$50.
- 1009. ART APPRECIATION. 3 cr.** A general orientation and understanding of visual and plastic art forms. For non-art majors.
- 1010. HONORS ARTS. 3 cr.** Questions of aesthetics, issues of performance and/or exhibition, 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. (Formerly HONR 110H)
- 2000. 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. Additional course fee \$50.
- 2001. SURVEY OF ART I. 3 cr. each.** Basic concepts and styles in art from prehistoric to present times.
- 2002. SURVEY OF ART II. 3 cr. each.** Basic concepts and styles in art from prehistoric to present times.
- 2003. 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.
- 2004. 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.
- 2005. GRAPHIC DESIGN I. 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: 1001 and 1003 or approval of department head. (Formerly Advertising Design 205.) Additional course fee \$50.
- 2006. GRAPHIC DESIGN II. 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: 2005. (Formerly Advertising Design 206.) Additional course fee \$50.
- 2041. GENERAL CRAFTS. 3 cr.** Exploration of various craft media. Additional course fee \$50.
- 2042. 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.
- 2046. 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.
- 2056. COLOR PHOTOGRAPHY. 3 cr.** Color photography research. One hour lecture and five hours studio. Prerequisite: 2046 or equivalent. Additional course fee \$50.
- 2057. LITHOGRAPHY. 3 cr.** Printing process with Bavarian limestone. One hour lecture and five hours studio. Prerequisite: 1001 and 1004 or approval of department head. Additional course fee \$50.
- 2058. BLOCK PRINTING. 3 cr.** Printing process in wood and linoleum. One hour lecture and 5 hours studio. Prerequisite: 1001 and 1004 or approval of department head. Additional course fee \$50.
- 2059. ETCHING. 3 cr.** Printing process with zinc plates. One hour lecture and five hours studio. Prerequisite: 1001 and 1004 or approval of department head. Additional course fee \$50.
- 2060. SILKSCREEN. 3 cr.** Printing process with stencil techniques. One hour lecture and five hours studio. Prerequisite: 1001 and 1004 or approval of department head. Additional course fee \$50.
- 2073. BEGINNING PAINTING. 3 cr.** Painting with oil and/or acrylic. One hour lecture and five hours studio. Prerequisites: Art 1001 and 1004 or approval of department head. Additional course fee \$50. F, Sp
- 2081. SCULPTURE. 3 cr.** Sculpture problems in a variety of media. One hour lecture and five hours studio. Prerequisite: 1002 and 1004 or approval of department head. Additional course fee \$50.
- 3000. 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.
- 3001. 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.
- 3056. ADVANCED COLOR PHOTOGRAPHY. 3 cr.** Theory and practice of advanced color photography for the creative photographer. Prerequisites: Art 2046 and 2056, or permission of department head. Additional course fee \$50.
- 3073. INTERMEDIATE PAINTING. 3 cr. Maximum 6 hrs.** Further development of painting technique and conceptual problem solving. One hour lecture and five hours studio. Prerequisites: ART 2073 or approval of department head. Additional course fee \$50.
- 3081. INTERMEDIATE SCULPTURE. 3 cr.** Further development of sculptural processes and techniques in a variety of media. One hour lecture and five hours studio. Prerequisite: 2081. Additional course fee \$50.
- 4001. 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: 2003 or 2004. Additional course fee \$50.

- 4002. 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: 1001. Additional course fee \$50.
- 4004. ADVANCED DRAWING. 3 cr. Maximum, 12 hrs.** Advanced drawing. Primarily life drawing in a variety of media. Six hours studio. Prerequisite: 1004. Additional course fee \$50.
- 4005. 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: 2006. (Formerly 305; Advanced Advertising Design 405.) Additional course fee \$50.
- 4006. 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 1001, 1003; Computer Science 1070, or approval of department head. Six hours studio. Additional course fee \$50.
- 4007. 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.
- 4008. 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.
- 4009. 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.
- 4025. RENAISSANCE. 3 cr.** The visual arts in Italy from the early Renaissance through Mannerism. Prerequisite: 2001, 2002.
- 4026. NINETEENTH CENTURY. 3 cr.** Nineteenth Century European and American Rococo through Post-Impressionism periods. Prerequisites: 2001 and 2002, or approval of the department head.
- 4029. CONTEMPORARY. 3 cr.** Twentieth century European and American Art. A study of the major achievements in painting, sculpture, and architecture since 1900. Prerequisite: 2001, 2002.
- 4040. METALCRAFT AND JEWELRYMAKING. 3 cr.** The designing and fabrication of jewelry and small metal products. One hour lecture and five hours studio. Prerequisite: 1002 or approval of department head. Additional course fee \$50.
- 4051. ADVANCED PRINTMAKING. 3 cr. Maximum, 12 hrs.** Research problems in printmaking; choice of media. One hour lecture and five hours studio. Prerequisites: 1001, 1003; 2057, 2058, 2059 or 2060. Additional course fee \$50.
- 4055. 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: 2046. Additional course fee \$50.
- 4071. 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: 3073. Additional course fee \$50.
- 4073. WATERMEDIA. 3 cr. Maximum 6 hrs.** A contemporary bridge between painting and drawing. Painting with mixed media; including watercolor, gouache, and ink. One hour lecture and five hours studio. Prerequisites: 2073, or approval of department head. Additional course fee \$50.
- 4081. 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: 3081. Additional course fee \$50.

**For Undergraduates and Graduates**

- 4011. 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 second semester sophomores, juniors, seniors and graduate students only. Prerequisites: students must be education majors, education related-field majors, art students with 18 credit hours in art, or receive approval from the Art Division head. Additional course fee \$50.
- 4012. ART EDUCATION. 3 cr.** A lecture/discussion/experience course designed to present art and education students with theories, strategies, and experiences in designing and teaching art activities. For juniors, seniors, and graduates only. Prerequisite: ART 4011. Additional course fee \$50.
- 4018. INCLUSIVE ART INSTRUCTION. 3 cr.** A lecture/discussion/experience course designed to present art and education students with theories, strategies, and experiences in designing and teaching art activities. For juniors, seniors and graduates only. Prerequisite: ART 4011. Additional course fee \$50.
- 4044. GRAPHIC DESIGN. 3 cr. Maximum repeat -12 hrs.** Special problems. Prerequisites: approval of department head. (Formerly ART441A) Additional course fee \$50.
- 4045. CERAMICS. 3 cr. Maximum - repeat 12 hrs.** Special problems. Prerequisites: approval of department head. (Formerly ART441B) Additional course fee \$50.
- 4046. PAINTING. 3 cr. Maximum - repeat 12 hrs.** Special problems. Prerequisites: approval of department head. (Formerly ART441C) Additional course fee \$50.
- 4047. PHOTOGRAPHY. 3 cr. Maximum - repeat 12 hrs.** Special problems. Prerequisites: approval of department head. (Formerly ART441D) Additional course fee \$50.
- 4048. DRAWING. 3 cr. Maximum - repeat 12 hrs.** Special problems. Prerequisites: approval of department head. (Formerly ART441E) Additional course fee \$50.
- 4049. PRINTING. 3 cr. Maximum - repeat 12 hrs.** Special problems. Prerequisites: approval of department head. (Formerly ART441F) Additional course fee \$50.
- 4050. SCULPTURE. 3 cr. Maximum - repeat 12 hrs.** Special problems. Prerequisites: approval of department head. (Formerly ART441G) Additional course fee \$50.
- 4060. EXPRESSIONISM. 3 cr. Maximum, 12 hrs.** Seminar in art history. The study of various eras and developments in world art. Prerequisites: Art 2001 and 2002, or approval of department head. (Formerly ART 443A)
- 4061. BAROQUE. 3 cr. Maximum, 12 hrs.** Seminar in art history. The study of various eras and developments in world art. Prerequisites: Art 2001 and 2002, or approval of department head. (Formerly ART 443B)
- 4062. FAR EASTERN. 3 cr. Maximum, 12 hrs.** Seminar in art history. The study of various eras and developments in world art. Prerequisites: Art 2001 and 2002, or approval of department head. (Formerly ART 443C)
- 4063. THEORY. 3 cr. Maximum, 12 hrs.** Seminar in art history. The study of various eras and developments in world art. Prerequisites: Art 2001 and 2002, or approval of department head. (Formerly ART 443D)
- 4064. ART SINCE 1965. 3 cr. Maximum, 12 hrs.** Seminar in art history. The study of various eras and developments in world art. Prerequisites: Art 2001 and 2002, or approval of department head. (Formerly ART 443E)
- 4065. WOMEN ARTISTS. 3 cr. Maximum, 12 hrs.** Seminar in art history. The study of various eras and developments in world art. Prerequisites: Art 2001 and 2002, or approval of department head. (Formerly ART 443F)
- 4066. SURREALISM IN ART. 3 cr. Maximum, 12 hrs.** Seminar in art history. The study of various eras and developments in world art. Prerequisites: Art 2001 and 2002, or approval of department head. (Formerly ART 443G)

- 4067. HISTORY OF PHOTOGRAPHY. 3 cr. Maximum, 12 hrs.** Seminar in art history. The study of various eras and developments in world art. Prerequisites: Art 2001 and 2002, or approval of department head. (Formerly ART 443H)
- 4095. RESEARCH PROBLEMS. 3 cr. Maximum, 12 hrs.** Individual and group study with approval of department head. Research, discussion and criticism. Additional course fee \$50.

## ARTS (ARTS)

- 1010. HONORS ARTS 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. (Formerly HONR110H)

## ATMOSPHERIC SCIENCES (ATMS)

Required for a major: 1001, 1002, 1003, 1004, 2005, 3003, 3005, 3006, 3007, 3008, 3015, 3060, 4001, 4002, 4007, 4015, and 3 additional hours atmospheric sciences electives—Total of 43 semester hours.

### For Undergraduates Only

- 1001. 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.
- 1002. 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.
- 1003. 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 1001.
- 1004. 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 1002, 1003.
- 1010. 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-MclDAS network.
- 2005. 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: 1001, 1002, 1003, and credit or registration in MATH 1013.
- 3003. 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: 2005, and credit or registration in MATH 1031 and PHYS 2007.
- 3005-3006. 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: PHYS 2007 and credit or registration in MATH 1032.
- 3007-3008. METEOROLOGY LABORATORY. 1 cr. each.** Two hours of laboratory each, to accompany 3005-3006. The application of techniques, charts and diagrams in the analysis and study of meteorological practices and phenomena. Prerequisites: 2005 and credit or registration in 3005 and 3006.
- 3010. FUNDAMENTALS OF CLIMATIC ANALYSIS. 3 cr.** Fundamentals of the tabulation and analysis of climatic data, including computer data processing and statistical methods. Prerequisites: 1002 and MATH 1016.
- 3015. PHYSICAL METEOROLOGY. 3 cr.** Introduction to physical principles underlying atmospheric radiation, cloud physics and precipitation processes. Prerequisite: 3003 and PHYS 2008.
- 3020. 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: 3003 and credit or registration in 3005.
- 3050. 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: 3003 and credit or registration in 3005.
- 3060. 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 3005, and ATMS 3003.
- 4001-4002. 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: 3006, 3008.
- 4007. 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: 3003 and PHYS 2008.
- 4009. 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: 3006 and 3015.
- 4011. 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: 3003, 3006, and PHYS 2007.
- 4015. 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: 3006 and 3015.

### For Undergraduates and Graduates

- 4050. 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 are also covered. Prerequisites: Completion of freshman mathematics requirements and CHEM 1007.

## AVIATION (AVIA)

### Undergraduate Requirements

Required for a major: 1001, 1010, 1011, 2020, 2030, 3002, 4005, 4015, 4030, and Aviation elective chosen from 4002 and 4070. Total of 30 semester hours. To progress satisfactorily, a student must complete all required developmental courses, plus Aviation 1010 and 1011, with a grade of "C" or better, before enrolling in 3000- or 4000-level courses.

Required for a minor: 1001, 1010, 1011, 2030, 3002, 4005. —Total of 18 semester hours.

### For Undergraduates Only

- 1001. INTRODUCTION TO AVIATION. 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.
- 1002. 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.
- 1010-1011. 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.
- 2020. 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.
- 2021. INSTRUMENT GROUND TRAINER LAB. 3 cr.** Development of skills of scan, interpretation, and control for instrument flight. Prerequisite: 2020 or concurrent enrollment.
- 2023. INSTRUMENT PILOT GROUND SCHOOL II. 3cr.** Advanced instrument procedures, departure, en-route and approach procedures, Precision and non-precision approaches; GPS en-route and approach procedures, review and preparation for taking the FAA Instrument Written Exam. Prerequisite: 2020 or permission of program coordinator.
- 2030. AVIATION PROFESSIONALISM. 3 cr.** Aviation career opportunities and career paths; responsibilities of the aviation professional; professional ethics; decision-making; stress management; substance abuse. (Formerly 3030)
- 3001. 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.
- 3002. 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.
- 3010. 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.
- 3013. COMMERCIAL GROUND INSTRUCTION II. 3 cr.** Aviation safety, aerodynamics, aircrew decision making, crew resource management, physiology of flight, advanced systems and procedures. Review and preparation for taking the FAA Commercial Pilot Written Exam. Prerequisite: 3010 or permission of program coordinator.
- 3017. 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.
- 3040. MULTIENGINE PILOT GROUND SCHOOL. 3 cr.** Aeronautical knowledge required for FAA multiengine pilot rating. Prerequisites: 3001, 3010. (Formerly 3021).
- 4001. 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.
- 4002. AIR TRAFFIC ADMINISTRATION. 3 cr.** The National Aerospace System. The role of Air Traffic Control in aviation safety. For Aviation Majors. Prerequisites: 1010, 1011.
- 4003. 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.
- 4004. ADVANCED AEROSPACE EDUCATION. 3 cr.** Provides Aerospace Education teachers with advanced technological orientation, and foundation in the aerospace career fields.
- 4005. 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.
- 4010. FLIGHT INSTRUCTOR GROUND SCHOOL. 3 cr.** Instructional knowledge required for FAA flight instructor certificate. Prerequisite: Commercial pilot certificate with instrument rating.
- 4013. INSTRUMENT FLIGHT INSTRUCTOR GROUND SCHOOL. 3 cr.** Instructional knowledge required for FAA instrument rating on flight instructor certificate. Prerequisite: 4011.
- 4015. 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 1010 and 1011, completion of all 1000-level English and Math courses, or instructor approval. (Formerly 416)
- 4020. AIRLINE TRANSPORT PILOT GROUND SCHOOL. 3 cr.** Aeronautical knowledge required for FAA airline transport pilot certificate. Prerequisite: Unlimited commercial pilot certificate.
- 4030. AVIATION LAW. 3 cr.** National and international regulatory and civil law as it relates to aviation and the aviation professional.
- 4051. ADVANCED AEROSPACE SEMINAR. 1-3 cr.** Problems in aerospace development, history, organization and management. Field trips to aerospace centers for research, development, and operations.
- 4070. AIRPORT ADMINISTRATION. 3 cr.** Aeronautical and regulatory knowledge required of public airport managers.
- 4071. AIRPORT PLANNING AND OPERATIONS. 3 cr.** Elements of planning and developing an airport.
- 4072. 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.
- 4079. 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.

- 4092. AVIATION COURSE CONSTRUCTION. 1-3 cr. Maximum, 6 cr.** Directed study in aviation course construction. Prerequisite: junior or senior aviation major. (Formerly AVIA 491A)
- 4093. PROBLEMS OF AVIATION MANAGEMENT. 1-3 cr. Maximum, 6 cr.** Directed study in problems of aviation management. Prerequisite: junior or senior aviation major. (Formerly AVIA 491B)
- 4094. PROBLEMS OF AVIATION TRAFFIC CONTROL. 1-3 cr. Maximum, 6 cr.** Directed study in problems of aviation traffic control. Prerequisite: junior or senior aviation major. (Formerly AVIA 491C)
- 4095. AVIATION/INTER-MODAL TRANSPORTATION. 1-3 cr. Maximum, 6 cr.** Directed study in aviation/inter-modal transportation. Prerequisite: junior or senior aviation major. (Formerly AVIA 491D)
- 4096. AEROSPACE RESEARCH AND DEVELOPMENT. 1-3 cr. Maximum, 6 cr.** Directed study in aerospace research and development. Prerequisite: junior or senior aviation major. (Formerly AVIA 491E)

## BIOLOGY (BIOL)

### Undergraduate Requirements

The Biology major can be used to fulfill requirements for admission to medical<sup>1</sup>, dental, veterinary, optometry or pharmacy schools, for wildlife biology certification by The Wildlife Society<sup>2</sup>.

Specific Biology courses are required for every student majoring in Biology: Biology 1020/1021, 1022/1023, 3005 and 4099 (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 4000-level botany courses, BIOL 2004/2005 is recommended. For all 3000- and 4000-level zoology courses, BIOL 2010 is recommended. For all 3000- and 4000-level cell and molecular courses, BIOL 2020 is recommended.

A total of 45 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 3000- or 4000 - level courses (courses taken for the four Biology list electives may 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 4003), Research Participation (Biology 4097/4098), Cooperative Internships (4096) and Senior Biology Seminar (Biology 4099) 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 2014/2015, 2020\*, 3006 (an elective that could accompany 3005), 4008/4009, 4017/4018, 4019, 4022, 4060\*, 4062/4063, 4066\*, 4068/4069, and 4070\*.

B. Organismal Biology: Biology 2004/2005, 2010, 2014/2015, 2028\*, 2040/2041, 3010/3013, 3016, 3030, 3032, 4012, 4014, 4025/4026, 4034, 4036, 4040, 4051, 4072/4073, 4078, 4080, 4082, 4084\*, 4086, and 4088.

C. Ecology/Environmental Science/Wildlife & Fisheries: Biology 2001\*, 3002, 3020\*, 4004\*, 4044, 4051, 4064\*, 4076, 4086, and 4088.

D. Evolution/Systematics: Biology 2004/2005, 2010, 3008\*, 3030, 3032, 4036, 4040, 4072/4073, 4078, 4080, 4082, and 4084.

\* Three credit hour course

Physical science electives must be taken from chemistry, geology, geoscience, math or physics.

<sup>1</sup> Pre-medical and pre-dental students should see page 21. Pre-pharmacy students should consult the pre-pharmacy curriculum.

<sup>2</sup> Wildlife Biology certification from the Wildlife Society. Certification requirements include 6 hours of wildlife management courses (Game Birds [Biol 4086], Game Mammals [Biol 4088]), 6 hours of wildlife biology that must include Mammalogy (Biol 4082) or Ornithology (Biol 4084) but may also include Herpetology (Biol 4080), 3 hours of ecology (Biol 3002), 9 hours of zoology (from 2010, 3030, 3032, 4014, and 4078), or 9 hours of botany (from 2004/2005, 4012, 4034, 4036, 4040, and 4051). 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 1016), plus an elective such as computer science, mathematical modeling, or sampling design; 12 hours of communications (English 1001, 1002, Communication Studies 2001 [non-science elective]; and English 3022 [non-science elective]); and 6 hours of Policy, Administration, and Law (Resource Conservation & Management [Agro 3001] and Resource & Environmental Economics [Econ 3090]).

Required for a minor in Biology: Biology 1020/1021, 1022/1023, 3005 and 12 additional semester hours of Biology above Biology 2000 (total of 23 credit hours).

Required for a major in Biology Education: Biology 1020/1021, 1022/1023, 2004/2005, 2010, 2014/2015, 2020, 3002, 3005/3006, Chemistry 1007/1009 (total of 35 credit hours of science).

Required for a minor in Biology Education: Biology 1020/1021, 1022/1023, 2004/2005, 2010, 2020 (total of 19 semester hours). Teacher certification in this minor area requires 30 credit hours or the Praxis content specialty exam. Must have Mathematics 1011 and 1012 or proficiency in college algebra and trigonometry, and Chemistry 1007, 1008. Lab fees apply to all labs.

Courses with laboratory components are subject to lab fees.

### For Undergraduates Only

**1001. 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.

**1003. 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.

- 1009. LABORATORY EXPERIENCE FOR THE LIFE SCIENCES. 1 cr.** A laboratory course to accompany Biology 1001 and 1010 lecture course. Two hours laboratory. Prerequisites: credit or registration in 1001 or 1010, or approval by of department head. Non-majors only.
- 1010. 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 1001.
- 1014. 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: Non-majors only. Cannot be taken for credit if credit has been awarded for 3010 (Formerly 3011, 3012.)
- 1015. FUNDAMENTALS OF ANATOMY AND PHYSIOLOGY II. 3 cr.** A continuation of 1014. Structure and function of the circulatory, respiratory, digestive, excretory, endocrine, and reproductive systems. Prerequisites: "C" or better in 1014. Non-majors only. Cannot be taken for credit if credit has been awarded in 3010 (Formerly 3011, 3012).
- 1016. FUNDAMENTALS OF ANATOMY AND PHYSIOLOGY LABORATORY I. 1 cr.** A laboratory course to accompany 1014. Two hours laboratory. Prerequisite: Credit with "C" or better or registration in 1014. Non-majors only.
- 1017. FUNDAMENTALS OF ANATOMY AND PHYSIOLOGY LABORATORY II. 1 cr.** A laboratory course to accompany 1015. Two hours laboratory. Prerequisite: Credit with "C" or better or registration in 1015, 1016. Non-majors only.
- 1020. 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.
- 1021. PRINCIPLES OF BIOLOGY I LABORATORY. 1 cr.** A laboratory designed to accompany 1020. Prerequisites: credit or registration in 1020.
- 1022. PRINCIPLES OF BIOLOGY II. 3 cr.** A continuation of Biology 1020. Course content provides an introduction to evolution, ecology and biological diversity. Prerequisites: "C" or better 1020.
- 1023. PRINCIPLES OF BIOLOGY II LABORATORY. 1 cr.** A laboratory designed to accompany Biology 1022. Prerequisites: "C" or better in 1020, 1021; credit with "C" or better or registration in BIOL 1022.
- 1050. INTEGRATED BIOLOGY FOR EDUCATION MAJORS. 3 cr.** A course for non-science education majors designed to focus on basic concepts and principals of the biological sciences. Emphasis is on the history and methods of biological sciences, basic chemistry and physiology of living systems, ecological principles and related environmental issues, and biodiversity. Prerequisites: Elementary Education majors only. (Formerly SCIE 103)
- 2001. 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 2001).
- 2004. 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 1020, 1021.
- 2005. PLANT DIVERSITY LABORATORY. 1 cr.** A laboratory course in plant diversity to accompany 2004. Prerequisites: Credit or registration in 2004.
- 2010. ANIMAL DIVERSITY. 4 cr.** The study of the biology, ecology, and evolutionary relationships of the major animal phyla. Three hours lecture and two hours laboratory per week. Prerequisites: "C" or better in BIOL 1022, 1023. (Formerly BIOL 2008, 2009)
- 2014. 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 "C" or better in one of the following: 1001, 1014, 1020 or equivalent.
- 2015. INTRODUCTORY MICROBIOLOGY LABORATORY. 1 cr.** A laboratory course to accompany 2014. Two hours laboratory. Prerequisite: Credit or registration in 2014.
- 2016. ALLIED HEALTH MICROBIOLOGY. 3 cr.** This course will introduce students to a variety of microorganisms and their relationship to the human body and disease. It is designed for the RN to BS in Nursing program in the College of Health Sciences and cannot be taken for credit by any other degree program. Online only. Prerequisite: sophomore or higher standing and an earned grade of no less than "C" in one of the following: BIOL 1001, 1014, 1020 or equivalent.
- 2020. CELL BIOLOGY. 3 cr.** A survey of the structural and functional relationships operative at the cellular and molecular levels of organization. Prerequisites: "C" or better in 1020, 1021, CHEM 1008.
- 2026. 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 3011 or 3012. Non-majors only.
- 2028. PATHOPHYSIOLOGY. 3 cr.** A detailed study of nervous, endocrine, cardiovascular, and reproductive systems, and their pathophysiology. Prerequisites: "C" or better in two semesters of anatomy and physiology.
- 2040. HUMAN ANATOMY. 3 cr.** Gross structure and physiology of the body with emphasis on the skeletal, muscular, nervous, and circulatory systems. Prerequisites: GPA of 2.5 or higher; "C" or better in 1020, 1021, 2026; cumulative GPA of 2.5 or higher with a minimum of "C" in 1020 or 2026; credit or registration in 2041. F
- 2041. HUMAN ANATOMY LABORATORY. 1 cr.** A laboratory course to accompany 2040. Three hours of laboratory. Prerequisites: Cumulative GPA of 2.5 or higher; "C" or better in 1020, 1021 or 2026; credit or registration in 2040. F
- 2050. ECONOMIC PLANTS. 3 cr.** The history and applied uses of plants as food, fibers, lumber, drugs, and related commodities. Prerequisites: "C" or better in BIOL 1001 or 1020 or instructor approval.
- 3002. PRINCIPLES OF ECOLOGY. 4 cr.** The basic principles of relationships between organisms and the environment. Three hours lecture and three hours laboratory per week. Prerequisites: "C" or better in BIOL 1022, 1023. (Formerly BIOL 3003, 3004)
- 3005. 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 1020, 1021; junior standing.
- 3006. GENETICS LABORATORY. 1 cr.** A laboratory to accompany 3005. Lab topics include Mendelian genetics to molecular genetics. Three hours laboratory. Prerequisites: "C" or better or registration in 3005.
- 3008. 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: "C" or better in 3005.

- 3010. HUMAN PHYSIOLOGY. 3 cr.** Basic physiological processes with emphasis on the nervous system, skeletal system, autonomic nervous system, endocrine system, circulatory system, respiratory system, gastrointestinal system, urinary system, immune and lymphatic systems and reproductive system. Prerequisites: "C" or better in 2020; CHEM 1007, 1009. Sp
- 3013. HUMAN PHYSIOLOGY LABORATORY. 1 cr.** A laboratory course to accompany 3012. Three hours laboratory. Prerequisite: Credit or registration in 3012. Sp
- 3016. 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: "C" or better in 2010.
- 3020. 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 1022, 1023.
- 3030. INVERTEBRATE ZOOLOGY. 4 cr.** The morphology and phylogeny of representative invertebrates. Three hours lecture and three hours laboratory. Prerequisite: "C" or better in 2010.
- 3032. VERTEBRATE ZOOLOGY. 4 cr.** The morphology, taxonomy, and life history of representative vertebrates. Three hours lecture and three hours laboratory with field trips. Prerequisite: "C" or better in 2010.
- 4093. SPECIAL TOPICS. 3-4 cr.** A course on topics of current biological interests. Laboratory section included at discretion of instructor. May be repeated when topic changes. Prerequisite: Permission of the instructor.
- 4111. GENETICS AND SOCIETY. 3 cr.** A Biology capstone course. A survey of current topics in genetic research and recent advances in biotechnology, including implications of these discoveries. Prerequisite: "C" or better in 1020 and 3005 or permission of the instructor. (Formerly BIOL 411A)
- 4112. MICROBES AND MAN. 3 cr.** Biology capstone course. A survey of microbial research and biotechnology including social, legal, and ethical implications of past, present, and future discoveries. Prerequisite: "C" or better in 1020 and 2014, or permission of the instructor. (Formerly BIOL 411B)
- 4113. ECOSYSTEMS AND COMMUNITIES. 3 cr.** A Biology capstone course. The interactions and impacts of global human societies on various ecosystems, sustainable development, and ecosystem services. Prerequisite: "C" or better in 2001 or 3003, or permission of the instructor. (Formerly BIOL 411C)
- 4114. SCIENCE, BIOLOGY, AND EVOLUTION. 3 cr.** A biology capstone course. A broad, topical examination of evolutionary theory and principles and its connection to all disciplines of the biological sciences. Prerequisites: "C" or better in 1020, 1022, and 3005 or instructor approval.
- For Undergraduates and Graduates**
- 4004. ECOLOGICAL METHODS. 3 cr.** Contemporary methods employed in plant and animal ecology. Prerequisites: "C" or better in 3002.
- 4008. 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 CHEM 2032; credit or registration in 4009.
- 4009. CELLULAR PHYSIOLOGY LAB. 1 cr.** A laboratory course to accompany 4008. Three hours laboratory. Prerequisite: credit or registration in 4008.
- 4012. 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 1022, 1023.
- 4014. 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 1022, 1023.
- 4017. 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: "C" or better in 3005.
- 4018. DEVELOPMENTAL BIOLOGY LABORATORY. 1 cr.** A laboratory course to accompany BIOL 4017. Lab topics include experimental investigations of fertilization, embryogenesis, gene expression, and patterns of vertebrate organogenesis. Prerequisite: Credit with "C" or better or registration in 4017.
- 4019. 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: "C" or better in 3005.
- 4022. 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: "C" or better in 2010.
- 4025. NEUROLOGY. 3 cr.** Study of the anatomy, physiology and pathology of the human nervous system.
- 4026. NEUROLOGY LABORATORY. 1 cr.** A laboratory course to accompany 4025. Three hours laboratory. Prerequisite: Credit or registration in 4025.
- 4030. 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, RAPDs, DNA sequencing, alignment and phylogenetic analyses. Prerequisites: "C" or better in 3005.
- 4034. 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: "C" or better in 1022, 1023.
- 4036. 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: "C" or better in 1022, 1023.
- 4040. 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: "C" or better in 2004.
- 4044. 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: "C" or better in 3002.
- 4051. FIELD BIOLOGY. 6 cr.** Field studies of the flora and fauna native to selected habitats. Field trip fee required. Prerequisites: "C" or better in 2004, 2005, 2010; approval of department head.
- 4060. 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: "C" or better in 2014, 2015.
- 4062. 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: "C" or better in 2014; credit or registration in 4063.
- 4063. FOOD AND DAIRY MICRO LABORATORY. 1 cr.** A laboratory course to accompany 4062. Three hours laboratory. Prerequisite: Credit with "C" or better or registration in 4062.
- 4064. WATER MANAGEMENT. 3 cr.** A survey of water distribution and uses, including water purification and sewage treatment, industrial and agricultural, irrigation scheduling.

- 4066. 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: "C" or better in 2014, 2015; 8 semester hours of chemistry.
- 4068. GENERAL VIROLOGY. 3 cr.** A study of representative bacterial, animal and plant viruses. Prerequisites: "C" or better in 2014.
- 4069. GENERAL VIROLOGY LABORATORY. 1 cr.** A laboratory to accompany 4068. Three hours laboratory. Prerequisite: "C" or better or registration in 4068.
- 4070. 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: "C" or better in 2014 or 1015 or 3012 or permission of the instructor.
- 4072. INTRODUCTORY PARASITOLOGY. 3cr.** The taxonomy, life history, and economic importance of protozoa, helminths, and arthropods which are parasites of man. Prerequisites: "C" or better in 1022 or 2014 or permission of the instructor; credit with "C" or better or registration in 4073.
- 4073. INTRODUCTORY PARASITOLOGY LABORATORY. 1 cr.** A laboratory course to accompany 4072. Three hours laboratory. Prerequisite: credit with "C" or better or registration in 4072.
- 4076. 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: "C" or better in 1022, 1023.
- 4078. 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: "C" or better in 1022, 1023
- 4080. 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: "C" or better in 1022, 1023.
- 4082. MAMMALOLOGY. 4 cr.** The morphology, taxonomy, and life history of mammals. Three hours lecture and three hours laboratory with field trips. Prerequisite: "C" or better in 1022, 1023.
- 4084. ORNITHOLOGY. 3 cr.** Morphology, taxonomy, behavior, and natural history of birds. Two hours lecture and three hours laboratory with field trips required. Prerequisite: "C" or better in 1022, 1023.
- 4086. 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: "C" or better in an Introductory course in Biology and permission of the instructor.
- 4088. 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: "C" or better in an Introductory course in Biology and permission of the instructor.
- 4096. 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 4003. The course may not be used by graduate students to fulfill major requirements.
- 4097. UNDERGRADUATE RESEARCH PARTICIPATION. 3 cr.** An honors course in which the student performs independent research. Prerequisite: approval of department head.
- 4098. UNDERGRADUATE RESEARCH PARTICIPATION. 3 cr.** A continuation of 4097.
- 4099. 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.
- 4103. ANATOMY/PHYSIOLOGY. 1-6 cr. Maximum, 6 cr.** Selected problems. Prerequisite: approval of department head. (Formerly BIOL 403A)
- 4104. BACTERIOLOGY/VIROLOGY. 1-6 cr. Maximum, 6 cr.** Selected problems. Prerequisite: approval of department head. (Formerly BIOL 403B)
- 4105. BOTANY. 1-6 cr. Maximum, 6 cr.** Selected problems. Prerequisite: approval of department head. (Formerly BIOL 403C)
- 4106. ECOLOGY. 1-6 cr. Maximum, 6 cr.** Selected problems. Prerequisite: approval of department head. (Formerly BIOL 403D)
- 4107. ANIMAL AND PLANT SCIENCE. 1-6 cr. Maximum, 6 cr.** Selected problems. Prerequisite: approval of department head. (Formerly BIOL 403E)
- 4108. ANIMAL AND PLANT TAXONOMY. 1-6 cr. Maximum, 6 cr.** Selected problems. Prerequisite: approval of department head. (Formerly BIOL 403F)
- 4109. AGROSTOLOGY. 1-6 cr. Maximum, 6 cr.** Selected problems. Prerequisite: approval of department head. (Formerly BIOL 403H)

## BUSINESS (BUSN)

### Undergraduate Requirements

Required for a major in General Business: Computer Information Systems 2020, Entrepreneurship 2050, Insurance 2005, or 3000/4000 Business Elective; 3000/4000-level Economics Elective; Computer Information Systems 3050; Management 3005; 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 4010, ECON 3013, FINA 4004, MGMT 4002, or MRKT 4001 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 1001 or 3005; Accounting 1010 or Accounting 2012 and 2013; Economics 2001 and 2002; Finance 3015; Management 3001; Marketing 3001—Total of 21-24 semester hours.

### For Undergraduates Only

- 1001. 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
- 2015. 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.

- 3001. INTERNATIONAL BUSINESS. 3 cr.** Designed to focus on the environment of international business. Course content includes strategic issues for the functions of marketing, operations, human resources, finance, accounting, and information systems while also addressing legal, ethical, and cultural issues from a global perspective. Prerequisite: junior standing
- 3005. 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 1001, 1002 with grade of "C" or higher and Junior standing. F, Sp, Sum
- 4081. 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.

#### For Undergraduates and Graduates

- 4012. 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: 3005 or approval of department head.
- 4061. COOPERATIVE EDUCATION EXPERIENCE. 3 or 6 cr.** Planned/supervised work experience in student's major field. Open only to pre-approved juniors and seniors, or graduates in the College of Business Administration. May be repeated for a maximum of 6 credits towards undergraduate degree, 150-hour CPA examination requirements or as a 3rd optional business elective towards the MBA degree. CR or NC grades awarded.

### BUSINESS LAW (BLAW)

Required for minor in Business Law: Business Law 4001, 4002; Insurance 2005; Political Science 4013, 4014, 4018, or 4053; 2001; Philosophy 2003.

#### For Undergraduates Only

- 4001. 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
- 4002. 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
- 4040. 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: 4001. F, Sp

### CHEMISTRY (CHEM)

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

- 1001. INTRODUCTORY CHEMISTRY I. 3 cr.** The fundamentals of inorganic chemistry. Prerequisite: Eligibility for MATH 1011 or a more advanced mathematics course. Three hours lecture. For non-majors. F, Sp, Su1

- 1002. INTRODUCTORY CHEMISTRY II. 3 cr.** The fundamentals of organic and biochemistry. Prerequisite: "C" or better in CHEM 1001. Three hours lecture. For non-majors. F, Sp
- 1003. INTRODUCTORY CHEMISTRY LABORATORY I. 1 cr.** A laboratory course to accompany CHEM 1001. Three hours of laboratory. Prerequisite: Credit or registration in CHEM 1001. For non-majors. F, Sp
- 1004. INTRODUCTORY CHEMISTRY LABORATORY II. 1 cr.** A laboratory course to accompany CHEM 1002. Three hours of laboratory. Prerequisite: "C" or better in CHEM 1003 and registration or credit in CHEM 1002. For non-majors. Sp
- 1007. 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 1011 or 1013, or equivalent, or eligibility for MATH 1013, and completion of a Chemistry Placement Exam. F, Sp, Su1
- 1008. 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 1007. F, Sp, Su2
- 1009. GENERAL CHEMISTRY LABORATORY I. 1 cr.** A laboratory course to accompany 1007. Three hours laboratory. Prerequisite: Credit or registration in CHEM 1007. F, Sp, Su1
- 1010. GENERAL CHEMISTRY LABORATORY II. 1 cr.** A laboratory course to accompany CHEM 108 including qualitative analysis. Prerequisite: "C" or better in CHEM 1009; credit or registration in CHEM 1008. F, Sp, Su2
- 1050. INTEGRATED CHEMISTRY FOR EDUCATION MAJORS. 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. (Formerly SCIE 102)
- 2020. 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: (MATH 1014 or 1031), (PHYS 2003 or 2007) and a "C" or better in CHEM 1008. Sp, odd
- 2030. 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 1008. F, S, Su1
- 2031. 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 2030 and a "C" or better in CHEM 1010. F, Sp, Su1
- 2032. 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 2030. F, Sp, Su2
- 2033. 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 2031 and credit or registration in CHEM 2032. F, Sp, Su2
- 2040. 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 1008. F
- 2041. QUANTITATIVE ANALYSIS LABORATORY. 2 cr.** A laboratory course to accompany CHEM 2040. Six hours laboratory. Prerequisite: "C" or better in CHEM 1010 and credit or registration in CHEM 2040. F

- 3001. 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
- 3010. 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 1008. F, odd
- 3020. 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 1008; PHYS 2008; MATH 1032. F, odd
- 3021. PHYSICAL CHEMISTRY LABORATORY I. 1 cr.** Modern experimental techniques in physical chemistry. Three hours laboratory. Prerequisites: "C" or better in CHEM 2041 and credit or registration in CHEM 3020. F, odd.
- 3022. PHYSICAL CHEMISTRY II. 3 cr.** Continuation of Chemistry 3020. 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 3020. Sp, even
- 3023. PHYSICAL CHEMISTRY LABORATORY II. 1 cr.** Modern experimental techniques of physical chemistry. Three hours laboratory. Prerequisite: "C" or better in CHEM 3021; credit or registration in CHEM 3022. Sp, even
- 3050. 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 2032. F, Su1
- 3051. 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 3050 and "C" or better in CHEM 2033. F
- 3052. BIOCHEMISTRY II. 3 cr.** Thermodynamics, metabolism, photosynthesis, protein and nucleic acid biosynthesis. Three hours lecture. Prerequisite: "C" or better in CHEM 3050. Sp
- 4000. 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 4099 and junior or senior standing in Chemistry. Sp
- 4013. 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 3020. S, even
- 4094. RESEARCH: ANALYTICAL. 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 area of Analytical. Prerequisites: Junior or Senior standing in chemistry and approval of department head. (formerly CHEM 499A)
- 4095. RESEARCH: BIOCHEMISTRY. 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 area of Biochemistry. Prerequisites: Junior or Senior standing in chemistry and approval of department head. (formerly CHEM 499B)
- 4096. RESEARCH: INORGANIC. 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 area of Inorganic. Prerequisites: Junior or Senior standing in chemistry and approval of department head. (formerly CHEM 499C)
- 4097. RESEARCH: ORGANIC. 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 area of Organic. Prerequisites: Junior or Senior standing in chemistry and approval of department head. (formerly CHEM 499D)
- 4098. RESEARCH: PHYSICAL. 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 area of Physical. Prerequisites: Junior or Senior standing in chemistry and approval of department head. (formerly CHEM 499E)

#### For Undergraduates and Graduates

- 4007. 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 2032, 2033, 2040, 2041. Sp
- 4020. 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 3022. F, even
- 4023. DIRECTED STUDY: ANALYTICAL. 1-6 cr. Maximum, 6 cr.** A directed study for undergraduates and graduates. May include laboratory and/or library work in the area of Analytical. Four to six hours per week for each credit hour earned. Prerequisite: Approval of department head. F, Sp, Su 1, Su 2 (formerly CHEM 422A)
- 4024. DIRECTED STUDY: BIOCHEMISTRY. 1-6 cr. Maximum, 6 cr.** A directed study for undergraduates and graduates. May include laboratory and/or library work in the area of Biochemistry. Four to six hours per week for each credit hour earned. Prerequisite: Approval of department head. F, Sp, Su 1, Su 2 (formerly CHEM 422B)
- 4025. DIRECTED STUDY: INORGANIC. 1-6 cr. Maximum, 6 cr.** A directed study for undergraduates and graduates. May include laboratory and/or library work in the area of Inorganic. Four to six hours per week for each credit hour earned. Prerequisite: Approval of department head. F, Sp, Su 1, Su 2 (formerly CHEM 422C)
- 4026. DIRECTED STUDY: ORGANIC. 1-6 cr. Maximum, 6 cr.** A directed study for undergraduates and graduates. May include laboratory and/or library work in the area of Organic. Four to six hours per week for each credit hour earned. Prerequisite: Approval of department head. F, Sp, Su 1, Su 2 (formerly CHEM 422D)
- 4027. DIRECTED STUDY: PHYSICAL. 1-6 cr. Maximum, 6 cr.** A directed study for undergraduates and graduates. May include laboratory and/or library work in the area of Physical. Four to six hours per week for each credit hour earned. Prerequisite: Approval of department head. F, Sp, Su 1, Su 2 (formerly CHEM 422E)
- 4030. 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 2032 and CHEM 3022. Sp, odd
- 4031. 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 2032 and CHEM 2033. F, even

## CHEMISE (CHIN)

#### For Undergraduate Only

- 1001. ELEMENTARY CHINESE. 3 cr.** An introduction to the Chinese language with emphasis on the development of practical communication skills. Basic conversation and elementary reading and writing.
- 1002. ELEMENTARY CHINESE. 3 cr.** A continuation of the study of Chinese on the elementary level. Prerequisite: a "C" or better in Chinese 1001 or approval of department head.

## COMMUNICATION (COMM)

### For Undergraduates Only

- 4000. 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.
- 4090. INTERNSHIP. 2 cr.** One semester of supervised industry service. Academic requirements include a final paper and presentation. Prerequisites: completion of 15 hours in either CMST or MCOM and the approval of the academic advisor faculty internship supervisor and site manager. (Formerly CMST 4090 and MCOM 4090)

## COMMUNICATION STUDIES (CMST)

### Formerly Speech Communications (SPCH)

#### Undergraduates Requirements

Required for a major in Communication Studies: CMST 1001; 1009; 1018; 2001; 2060; 3035, or 3044; 3005 or 4005; 3010, 3011, or 3030; 3041, 4004, 4051, 4052, or 4053; 4050; COMM 4090; and 12 hours of Communication Studies electives, at least six hours of which must be at the 3000-4000 level — Total of 30 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 1001; 1018; 2001 or 2060; 3011 or 3030; 4050; and three hours of Communication Studies at the 3000-4000 level - Total of 18 semester hours.

Required for a major (Speech Education): Communication Studies 1001, 1018, 3005, and 3011; Theatre 1010, 1011, 2021 and 4025; Mass Communications 2001; Speech-Language Pathology 1013; 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

- 1001. FUNDAMENTALS OF COMMUNICATION. 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.
- 1002. 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.
- 1009. FORENSIC SPEAKING LABORATORY. 1 cr.** Supervised participation in the intercollegiate debate program. May be repeated for a maximum of three hours credit.

- 1010. 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 1001 or 2001.
- 1018. 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.
- 2001. PUBLIC SPEAKING. 3 cr.** The process of public communication, including an understanding of audience to produce, evaluate, and critique public expression in public arenas.
- 2060. 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.
- 3005. 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.
- 3010. 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 1001, 1018, 2001 or consent of the instructor.
- 3011. 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.)
- 3019. RHETORIC/PUBLIC ADDRESS. 3 cr.** Study of various communication contexts problems, and issues Rhetoric and Public Address. Prerequisites: CMST 1001, 1018, or 2001 or consent of department head. (formerly CMST 325A)
- 3020. FORENSICS. 3 cr.** Study of various communication contexts problems and issues in Forensics. Prerequisites: CMST 1001, 1018, or 2001 or consent of department head. (formerly CMST 325B)
- 3021. INTERPERSONAL COMMUNICATION. 3 cr.** Study of various communication contexts problems and issues in Interpersonal Communication. Prerequisite: CMST 1001, 1018, or 2001 or consent of department head. (formerly CMST 325C)
- 3022. ORGANIZATIONAL COMMUNICATION. 3 cr.** Study of various communication contexts problems and issues in Organizational Communication. Prerequisite: CMST 1001, 1018, or 2001 or consent of department head. (formerly CMST 325D)
- 3023. COMMUNICATION THEORY. 3 cr.** Study of various communication contexts problems and issues in Communication Theory. Prerequisite: CMST 1001, 1018, or 2001 or consent of department head. (formerly CMST 325E)
- 3024. INSTRUCTIONAL COMMUNICATION. 3 cr.** Study of various communication contexts problems and issues in Instructional Communication. Prerequisite: CMST 1001, 1018, or 2001 or consent of department head. (formerly CMST 325F)
- 3030. 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 1001 or 2001 or consent of instructor.
- 3035. 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 1001, 1018, or 2001.

- 3041. 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 1001, 1018, or 3004 or approval of the instructor.
- 3044. 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.
- 4005. 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 1010 or 2001.
- 4050. COMMUNICATION THEORY. 3 cr.** An analysis and evaluation of predominant communication theories that identify fundamental communicative forces in human action. Prerequisite: CMST 1001, 3030, CMST 1010 or 2001 or approval of instructor.
- 4092. RHETORIC AND PUBLIC ADDRESS. 1-3 cr.** Directed study in Rhetoric and Public Address. May be repeated for a total 6 credits. Prerequisite: Approval of department head. (formerly CMST 491A)
- 4093. FORENSICS. 1-3 cr.** Directed study in Forensics. May be repeated for a total 6 credits. Prerequisite: Approval of department head. (formerly CMST 491B)
- 4094. COMMUNICATION STUDIES. 1-3 cr.** Directed study in Communication Studies. May be repeated for a total 6 credits. Prerequisite: Approval of department head. (formerly CMST 491C)
- 4095. ORAL INTERPRETATION. 1-3 cr.** Directed study in Oral Interpretation. May be repeated for a total 6 credits. Prerequisite: Approval of department head. (formerly CMST 491D)

#### For Undergraduates and Graduates

- 4004. INTERCULTURAL COMMUNICATION. 3 cr.** An international perspective on communication between members of different cultures. Verbal and nonverbal code systems, social organization patterns, values, and belief systems examined as they impact the sharing of meaning. Special attention given to Health Care, Business, and Education contexts. Prerequisite: Communication Studies 1001, or 1018, or permission of instructor. May not be used as a substitute for a foreign language.
- 4020. 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 3005 or consent of instructor.
- 4026. 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 1018; 3010; 4004 or approval of instructor.
- 4051. AMERICAN PUBLIC ADDRESS. 3 cr.** Provides a study of American public address from colonial times to the present. Prerequisites: CMST 1001, 2001, or approval of instructor.
- 4052. CRITICISM OF CONTEMPORARY COMMUNICATION. 3 cr.** This course examines various aspects of contemporary communication. Prerequisites: CMST 1001, 2001, or approval of the instructor.
- 4053. RHETORIC OF SOCIAL MOVEMENTS. 3 cr.** This course examines social movement. Prerequisites: CMST 1001, 2001, or approval of instructor.
- 4062. 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 2060 or 1001 or consent of instructor.

## COMMUNICATIVE DISORDERS (CODI)

(see Speech-Language Pathology)

## COMPUTER INFORMATION SYSTEMS (CINS)

Required for a major: 2020, 3002, 3006, 3040, 4030, 4035; BUSN 4012; 6 hours of 3000-4000 level CINS electives. Total of 30 semester hours.

Required for a minor: CINS 2020, 3050, 4 electives chosen from 3000 or 4000-level CINS classes — Total of 18 semester hours.

3000/4000 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

- 1001. 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
- 2005. 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
- 2012. 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 1070. F, Sum
- 2015. SPREADSHEET APPLICATIONS. 3 cr.** Intensive coverage of business spreadsheet models; including spreadsheet design, file-building techniques, graphics, and spreadsheet automation with macros. Prerequisite: CSCI 1070 or permission of instructor. F, Sp
- 2020. 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 1070, MATH 1016 and completion of all developmental requirements, or permission of instructor. F, Sp, Sum
- 3002. INTERMEDIATE BUSINESS PROGRAMMING. 3 cr.** Computer programming methods for business systems. Emphasizes contemporary programming environments and application development using a modern programming language. Prerequisite: 2020.
- 3006. 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 2020. F, Sp
- 3040. 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 1070. F, Sp
- 3041. 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 3040. Sp

- 3044. 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: 3040 or permission of instructor.
- 3045. INFORMATION SECURITY PRACTICE. 3 cr.** An application oriented study of advanced practices and procedures for the design, development, and deployment of organizational information security and assurance measures. Prerequisite: CINS 3044 or instructor approval. Sp
- 3050. MANAGEMENT INFORMATION SYSTEMS. 3 cr.** Application and impact of information technologies on organizational strategy and operations. Emphasis is on applying technology for managerial decision-making and collaborations. Prerequisite: CSCI 1070. F, Sp, Sum
- 4030. 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 1070, CINS 3006, CINS 3050; BUSN 3005, or permission of instructor. F
- 4035. 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: 4030 and BUSN 4012, or permission of instructor. Sp
- 4091. 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.
- 4093. SEMINAR - SOFTWARE. 1-3 cr. per semester.** May be repeated for a maximum of 6 credits. Seminar in information systems. Prerequisite: approval of department head. (Formerly CINS 492A)
- 4094. SEMINAR - METHODOLOGIES. 1-3 cr. per semester.** May be repeated for a maximum of 6 credits. Seminar in information systems. Prerequisite: approval of department head. (Formerly CINS 492B)
- 4095. SEMINAR – SPECIAL TOPICS. 1-3 cr. per semester.** May be repeated for a maximum of 6 credits. Seminar in information systems. Prerequisite: approval of department head. (Formerly CINS 492C)

## COMPUTER SCIENCE (CSCI)

Required for a major: 2000, 2003, 2026, 2053, 2073, 2098, 3005, 3010, 3013, 3020, 3026, 4011, 4012, 4055, 4060, and 4062 — Total of 49 semester hours.

Required for a minor: 2000, 2003, 2026, 2053, 2073, and two of the following: 3005, 3010, 3026, and 3040— Total of 21 semester hours.

Required for a minor in Computer Science Education: 1070, 1080, 2000, 2003, 3067, 3077, Curriculum and Instruction 2085, 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

- 1067. 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.
- 1070. 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.
- 1080. 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.
- 2000. 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 1080 or credit or registration in a mathematics core curriculum course.
- 2003. INTERMEDIATE PROGRAMMING. 3 cr.** Continuation of CSCI 2000, with increased emphasis on program design (including structured and object oriented techniques, data structures, and algorithms). Prerequisites: Grade of "C" or better in CSCI 2000 and credit in MATH 1011 or 1013 or permission of the department head.
- 2026. 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: credit or registration in CSCI 2000 and credit in Math 1011 or Math 1013 or permission of the department head.
- 2053. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE PROGRAMMING. 3 cr.** Basic logic, data representations, number systems, introduction to computer organization, and assembly language programming. Prerequisite: credit or registration in CSCI 2000 and credit in MATH 1011 or MATH 1013 or permission of the department head.
- 2064. INTRODUCTION TO COMPUTER ORGANIZATION. 2 cr.** Basic logic design, coding, number representation and arithmetic binary representation, and computer architecture. Prerequisite: CSCI 2026, 2053, and credit or registration in CSCI 2065.
- 2065. COMPUTER ORGANIZATION LABORATORY. 1 cr.** Laboratory class to accompany 2064. Prerequisite: Credit or registration in 2064.
- 2073. DATA STRUCTURES. 3 cr.** An introduction to classic data structures that builds on object-oriented concepts such as abstraction and inheritance. Topics include lists, stacks, queues, trees, graphs, sets, and maps.. Prerequisite: CSCI 2003 with a grade of "C" or better and CSCI 2026.
- 2098. 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. Prerequisites: CSCI 2003
- 3005. 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 3026 and a grade of "C" or better in 2073.
- 3010. ORGANIZATION OF PROGRAMMING LANGUAGES. 3 cr.** An introduction to programming language specification and analysis. Additional topics include programming language paradigms, run-time environments, binding strategies, compilers, and interpreters. Prerequisite: CSCI 2073.
- 3013. 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 3005 and 3010.

- 3020. 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 2073.
- 3026. 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, mathematical induction, relations, and graph theory. Prerequisite: CSCI 2026.
- 3040. INTERNET PROGRAMMING. 3 cr.** The art and science of programming for web-based applications. Topics covered will include human-computer interaction, client-side and server-side programming, interfacing with net-centric databases, and electronic document encoding. Prerequisite: CSCI 2073.
- 3050. 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 2026.
- 3067. 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 1070.
- 3069. 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 1070.
- 3073. NUMERICAL METHODS. 3 cr.** Numerical algorithms fundamental to scientific work including discussion of error. Prerequisite: CSCI 2003 and MATH 2002 and 1032. (Dual listed as MATH 3073.)
- 3077. INTERNET FOR THE USER. 3 cr.** Introduction to the Internet from the user's perspective. Topics covered will include the history and operation of the Internet, Internet research strategies, and basic web-page design and construction. Not applicable toward a degree in computer science. Prerequisites: CSCI 1070 or approval of department head.
- 3098. COMPUTER PROJECTS. 3 cr.** Involvement in practical computer projects. Prerequisite: approval of department head.
- 4011. 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 2053 and 3010.
- 4012. 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 2053.
- 4020. 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 1014 or Math 1031 or approval of department head. (Same as Math 4020).
- 4021. 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 4020 or CSCI 4020 and junior standing or above. (Same as Math 4021).
- 4035. LINEAR PROGRAMMING. 3 cr.** Development of the simplex algorithm, revised simplex, duality, and application. Prerequisite: MATH 2002.
- 4036. INTRODUCTION TO MATHEMATICAL CONCEPTS IN OPERATIONS RESEARCH. 3 cr.** A mathematical approach to concepts in advanced linear and nonlinear programming, dynamic programming, game theories, queuing theory and other standard topics in operations research. Prerequisites: CSCI 4035 and MATH 3003. (Same as MATH 4036.)
- 4040. 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 3040.
- 4042. 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 3005 and MATH 3003.
- 4045. 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 1070; three (3) semester-hour statistics course, or concurrent enrollment in a statistics course, or approval of department head.
- 4055. THEORY OF DATA BASE MANAGEMENT SYSTEMS. 3 cr.** Logical and physical data and file organization; relational data models; data normalization; query facilities; current literature in the database area. Prerequisite: Grade of "C" or better in CSCI 2073.
- 4060. 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 3010.
- 4061. 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.
- 4062. DATA COMMUNICATIONS. 3 cr.** Technical aspects of data communications. ISO Open Systems Interconnect Model. TCP/IP protocol suite. Internetworking and routing. Prerequisite: CSCI 2073.
- 4063. 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 3013.
- 4064. GRAPHICS. 3 cr.** Fundamental concepts of graphics including enhancement, shading, two and three dimensional transformations, animations and hidden-surface problem. Prerequisites: CSCI 2073, MATH 2002 and junior standing.
- 4075. 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 4055 and MATH 3003.
- 4081. 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.

- 4083. 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: 3005 and 3010.
- 4091. 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 3005, 3020, 4055, and 4060.
- 4094. RESEARCH - APPLICATIONS. 1-6 cr. Maximum, 6 cr.** Open to advanced undergraduates who are capable of developing a problem independently. Prerequisites: approval of department head. (Formerly CSCI 498A)
- 4095. RESEARCH - SOFTWARE. 1-6 cr. Maximum, 6 cr.** Open to advanced undergraduates who are capable of developing a problem independently. Prerequisites: approval of department head. (Formerly CSCI 498B)
- 4096. RESEARCH - MATHEMATICS OF COMPUTATION. 1-6 cr. Maximum, 6 cr.** Open to advanced undergraduates who are capable of developing a problem independently. Prerequisites: approval of department head. (Formerly CSCI 498C)
- 4097. RESEARCH - HARDWARE. 1-6 cr. Maximum, 6 cr.** Open to advanced undergraduates who are capable of developing a problem independently. Prerequisites: approval of department head. (Formerly CSCI 498D)

## CONSTRUCTION (CONS)

Required for a major: 1001, 1012, 1013, 2003, 2004, 2006, 2007, 2008, 2009, 2011, 2012, 3003, 3004, 3005, 3006, 3008, 3009, 3018, 3019, 3050, 3051, 4007, 4008, 4009, 4014, 4015, 4017, 4018, 4030, 4055, and 3 hours construction electives—Total of 54 semester hours. Non majors must have approval of the Director to schedule 3000 and 4000 level classes.

- 1001. CONSTRUCTION MATERIALS. 3 cr.** Materials of construction, their properties, manufacture, characteristics and use. F, Sp
- 1002. 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
- 1010. 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
- 1012. 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
- 1013. ARCHITECTURAL DRAFTING STUDIO. 2 cr.** Studio course to accompany 1012. Six hours studio. F, Sp
- 2003. CONSTRUCTION TECHNIQUES. 2 cr.** A study of architectural design fundamentals through analysis of architectural and engineering plans, specifications, and documents used in construction. Prerequisites: 1001, 1012, 1013. F, Sp
- 2004. CONSTRUCTION TECHNIQUES STUDIO. 1 cr.** Studio course to accompany 2003. Three hours studio. F, Sp
- 2006. 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 1011, 1012. F, Sp
- 2007. STATICS AND STRENGTH OF MATERIAL LABORATORY. 1 cr.** Laboratory course to accompany 2006. Three hours laboratory. F, Sp
- 2008. CONSTRUCTION DOCUMENTS. 2 cr.** A study of drawings, specifications, and documents used in the construction process. Prerequisites: 1001, 1012, 1013. Sp, F
- 2009. CONSTRUCTION DOCUMENTS STUDIO. 1 cr.** Studio course to accompany 2008. Three hours studio. Sp, F
- 2011. CONSTRUCTION SURVEYING. 1 cr.** Theory and principles of surveying applied to construction. Prerequisite: MATH 1011, 1012. Sp, F
- 2012. CONSTRUCTION SURVEYING LABORATORY. 2 cr.** Laboratory course to accompany 2011. Six hours laboratory. Sp, F
- 2014. 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.
- 2020. 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.
- 2021. 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.
- 2022. 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.
- 2023. RESIDENTIAL INSPECTIONS. 3 cr.** Inspection of fences, patios, carports, residential blockwalls, etc.; conducting occupancy surveys in various structures such as apartments and hotels.
- 2024. COMMERCIAL AND INDUSTRIAL INSPECTIONS. 3 cr.** Inspection of buildings under construction, alteration or repair for compliance with building laws.
- 2025. DAMAGED BUILDING INSPECTIONS. 2 cr.** Inspection of damaged buildings and reporting needs for repair or demolition.
- 2050. STRUCTURAL SYSTEMS. 3 cr.** A survey of structural systems including the design of temporary structures. Prerequisites: 2006, 2007.
- 2060. MECHANICAL AND ELECTRICAL SYSTEMS. 3 cr.** A survey of systems for water supply and sanitation, heating and air conditioning, and electric service and installations.
- 3003. CONSTRUCTION TECHNIQUES. 2 cr.** Continuation of 2003 and 2004 as applied to larger construction projects. Prerequisites: 2003, 2004, 2008, 2009. F, Sp
- 3004. CONSTRUCTION TECHNIQUES LABORATORY. 1 cr.** Laboratory course to accompany 3003. Three hours laboratory. F, Sp
- 3005. STEEL STRUCTURES. 2 cr.** Theory and principles of design and fabrication of structural steel in conformance with current codes and practices. Prerequisites: 2006, 2007. F
- 3006. STEEL STRUCTURES LABORATORY. 1 cr.** Laboratory course to accompany 3005. Three hours laboratory. F
- 3008. 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: 2006, 2007. F
- 3009. CONCRETE STRUCTURES AND FORM DESIGN LABORATORY. 1 cr.** Laboratory course to accompany 3008. Three hours laboratory. F
- 3018. ESTIMATES. 2 cr.** Principles and theories of estimating, classification of work and quantity survey techniques applied to various types of construction projects. Prerequisites: 2003, 2004, 2008, 2009. F, Sp

- 3019. ESTIMATES LABORATORY. 1 cr.** Laboratory course to accompany 3018. Three hours laboratory. F, Sp
- 3022. 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.
- 3024. 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
- 3028. 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.
- 3050. 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: 2003, 2004, 2008, 2009. F
- 3051. MECHANICAL SYSTEMS OF BUILDINGS LABORATORY. 1 cr.** Laboratory course to accompany 3050. Two hours laboratory. F
- 3055. COMPUTER-AIDED DESIGN. 3 cr.** Two dimensional drafting and design. One hour of lecture; four hours studio. (Same as FCSC 3055.) Prerequisite: junior standing. Sp
- 4007. 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: 3003, 3004. F, Sp
- 4008. 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: 3018, 3019. Sp, F
- 4009. ESTIMATES LABORATORY. 1 cr.** Laboratory course to accompany 4008. Three hours laboratory. Sp, F
- 4010. 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.
- 4012. ADVANCED PROJECT CONTROL SEMINAR. 3 cr.** Continuation of 4007/4015 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: 4007, 4015.
- 4014. CONSTRUCTION MANAGEMENT. 3 cr.** Management principles as applied to the construction contractor. Prerequisite: junior standing. Sp
- 4015. PROJECT CONTROL SYSTEMS LABORATORY. 1 cr.** A studio to accompany 4007. Three hours studio per week. Prerequisite: Credit or registration in 4007. F, Sp
- 4017. FOUNDATION PROBLEMS. 2 cr.** Foundation and soil problems as related to construction. Prerequisites: 3003, 3004. Sp, F
- 4018. FOUNDATION PROBLEMS LABORATORY. 1 cr.** Laboratory course to accompany 4017. Three hours laboratory. Sp, F
- 4019. CONSTRUCTION DOCUMENTS AND REGULATORY AGENCIES. 3 cr.** Current building codes and significant aspects of construction specifications. Prerequisite: Senior standing or approval of director.
- 4028. 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.

- 4030. 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. Sp
- 4055. 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: 2003, 2004, 2008, 2009 and junior standing. Sp
- 4061. HISTORY OF CONSTRUCTION. 1-6 cr. Maximum, 6 cr.** Directed individual study. Prerequisite: approval of director. (Formerly CONS 460A)
- 4062. ADVANCED CONSTRUCTION GRAPHICS. 1-6 cr. Maximum, 6 cr.** Directed individual study. Prerequisite: approval of director. (Formerly CONS 460B)
- 4063. ADVANCED SURVEYING PROBLEMS. 1-6 cr. Maximum, 6 cr.** Directed individual study. Prerequisite: approval of director. (Formerly CONS 460C)
- 4064. SEMINAR FOR SENIORS. 1-6 cr. Maximum, 6 cr.** Directed individual study. Prerequisite: approval of director. (Formerly CONS 460D)
- 4065. SPECIAL CONTRACTING METHODS. 1-6 cr. Maximum, 6 cr.** Directed individual study. Prerequisite: approval of director. (Formerly CONS 460E)

## COUNSELING (COUN)

For Undergraduates Only

- 4033. 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.
- 4080. EFFECTIVE PARENTING. 3 cr.** Designed to help students and parents-to-be understand the principles and techniques of establishing effective parent-child relationships.

## CRIMINAL JUSTICE (CJUS)

Required for a major in Criminal Justice: 1001; 2030; 2050; 2070, 3003, or 3010; 2093; 3001; 4005; 4015; 4018; 4029; 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 4099 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 1001; 2030; 2050; 2070, 3003, or 3010; 2093; and 3 hours from Criminal Justice electives—Total of 18 semester hours.

For Undergraduates Only

- 1001. 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.

- 2006. 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.
- 2030. 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: 1001 or approval of the program director.
- 2033. 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 2033).
- 2050. 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: 1001 or approval of program director.
- 2070. 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—1001 or approval of program director.
- 2093. 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: 1001 or approval of program director.
- 2099. 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.
- 3001. 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: CJUS 2093 or approval of program director.
- 3003. 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: 1001, 2070, or approval of program director.
- 3008. 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: 1001 or approval of program director.
- 3010. CORRECTIONAL INSTITUTIONS. 3 cr.** Analysis of the structure and function of prison staffing, prison operations, the convict world, prison violence, and jails. Prerequisite: 1001, 2070, or approval of program director.
- 3015. VICTIMOLOGY. 3 cr.** An overview of methods that address victims' needs in the criminal justice system. Prerequisite: CJUS 1001, and 2070.
- 3030. 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. Prerequisite: 1001, 2030, or approval of program director.
- 4005. 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 4005.)
- 4015. 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 4015).
- 4016. 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.
- 4018. CONSTITUTIONAL LAW AND CRIMINAL JUSTICE. 3 cr.** Study of constitutional law and its applicability in the criminal justice system. (Same as Political Science 4018). Prerequisite: Political Science 2001.
- 4029. 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 4013 and/or 4014 are not eligible to receive credit in CJUS 4029. Prerequisite: Junior or senior standing or permission of the department head.
- 4019. 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.
- 4099. 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.

#### For Undergraduates and Graduates

- 4000. 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: 1001, 2070, and junior standing or approval of program director.
- 4091. 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 2085, 3002, 3003, 3004, 3076, 3086, 4056, 4083; Psychology 2005, 3001 and Reading 4019. Total of 40 semester hours.

## For Undergraduates Only

- 2001. EDUCATIONAL FOUNDATIONS FOR DIVERSE LEARNING ENVIRONMENTS. 3 cr.** This course provides an orientation to teaching that includes legal and organizational aspects of public education; history and philosophy of education; and provides multicultural insight to support the educational needs of diverse students in their learning environment.
- 2085. 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.
- 3002. 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.
- 3003. 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.
- 3004. 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. Prerequisite: CURR 3003
- 3006. MATERIALS AND METHODS IN FOREIGN LANGUAGE. 3 cr.** Practices in teaching foreign language in high school. Must be admitted to Teacher Education.
- 3007. MATERIALS AND METHODS IN ENGLISH. 3 cr.** Methods of organizing and presenting English materials in high school. Must be admitted to Teacher Education.
- 3008. 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.
- 3009. 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.
- 3011. 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.
- 3012. MATERIALS AND METHODS IN ART. 3 cr.** Theory and application of classroom art. Must be admitted to Teacher Education.
- 3013. MATERIALS AND METHODS IN SPEECH. 3 cr.** Materials, techniques and methods of teaching speech. Must be admitted to Teacher Education.
- 3038. UPPER ELEMENTARY SCHOOL CURRICULUM AND INSTRUCTION STRATEGIES. 3 cr.** Procedures and techniques for developing skills to teach content areas in the upper elementary grades.
- 3076. 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 (Formerly CURR 375A)
- 3077. 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 (Formerly CURR 375B)

- 3086. 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
- 4000. 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.
- 4050. 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.
- 4056. 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
- 4091. DIRECTED STUDY. 1-6 cr.** Investigative study on selected problems by students with particular needs. By permission only.

## For Undergraduates and Graduates

- 4001. ASSESSMENT PRINCIPLES AND PRACTICE FOR ALL LEARNERS. 3 cr.** This course is designed to teach the principles of test and measurements for both elementary and secondary teachers; types of tests, accommodative assessment strategies, the essentials of good questions, and objective and standardize tests. The course offered in traditional and web-based (internet format) in the spring and fall semesters and in the summer in a 15-day workshop format.
- 4081. 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.
- 4082. 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 2085 or permission of instructor. F, Su
- 4084. PRACTICUM - ELEMENTARY. 3-6 cr.** Internship program designed to give supervised experience in the school. Must be admitted to Teacher Education. F (Formerly CURR 483A)
- 4083. PRACTICUM - SECONDARY. 3-6 cr.** Internship program designed to give supervised experience in the school. May be repeated for a total of 12 hours credit. Must be admitted to Teacher Education. F (Formerly CURR 483B)

DANCE  
(DANC)

Required for a minor: Dance 1012, or 2012; 1014 or 2014; 1026 or 2026; 1025 or 2009; 1028 or 2028; 4005; 4024; 4027; 4092; 4093, and additional hours from electives 1027, 1029, 2009, 2012, 2014, 2026, 2028, 4094, 4091 Directed Study, and Kinesiology 4032. Total of 21 semester hours.

For Undergraduates Only  
One hour technique courses

- 1012. TAP DANCE. 1 cr.** The study of tap dance steps and techniques as related to theatre dance.
- 1014. JAZZ DANCE I. 1 cr.** The study of jazz techniques with emphasis on style and rhythmic design.
- 1022. AEROBIC DANCE. 1 cr.** Rhythmic activities that improve cardiorespiratory endurance, flexibility, body composition, muscular strength and endurance.

- 1025. MODERN DANCE I. 1 cr.** The study of modern dance techniques and principles of movement.
- 1026. BALLET. 1 cr.** Ballet technique including ballet terminology, technical principles, and theory.
- 1027. SOCIAL DANCE. 1 cr.** The instruction and practice of traditional and contemporary ballroom dancing.
- 1028. 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.
- 1029. FOLK DANCE. 1 cr.** The instruction and practice of American and International folk dances.
- 2009. MODERN DANCE II. 1 cr.** Advanced technique, movement combinations, choreography, and theory of modern dance.
- 2012. TAP II. 1 cr. Maximum 4 cr. hrs. to be earned.** A continuation of the study of tap dancing designed for the intermediate/advanced dancer. Students will build on an already existing tap vocabulary and skill level. Prerequisites: Dance 1012 or permission of the instructor.
- 2014. JAZZ DANCE II. 1 cr.** Advanced technique, movement combinations, choreography, and theory of jazz dance.
- 2026. 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 1026 or permission of instructor.
- 2028. THEATER DANCE II. 1 cr.** A continuation of the study of theatre dance designed for the intermediate/advanced dancer. Styles include but are not limited to ballet, modern, jazz, tap, and ballroom. Prerequisites: Dance 1028 or permission of the instructor.
- 3001. 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.
- 4027. DANCE PEDAGOGY I. 3 cr.** Designed to give the dance student an introduction to teaching dance. Students will learn theory, planning, application of teaching. Students will be expected to teach classes of various techniques and levels as part of the learning process. Prerequisites: Dance 4005, Dance 4024, or Dance 4093 or permission of instructor.

#### For Undergraduates and Graduates

- 4005. ADMINISTRATION OF DANCE. 3 cr.** The organization and administration of dance productions, dance festivals, and other dance performances.
- 4024. 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.
- 4092. HISTORY AND PHILOSOPHY OF DANCE. 1-3 cr. 6 cr. maximum.** Directed study and/or research in selected areas of dance. Prerequisite: approval of department head. F, Sp, Su (Formerly DANC 491A)
- 4093. DANCE AND REPERTORY ENSEMBLE. 1-3 cr. 6 cr. maximum.** Directed study and/or research in selected areas of dance. Prerequisite: approval of department head. F, Sp, Su (Formerly DANC 491B)
- 4094. SUMMER DANCE WORKSHOP. 1-3 cr. 6 cr. maximum.** Directed study and/or research in selected areas of dance. Prerequisite: approval of department head. (Formerly DANC 491C)
- 4095. DIRECTED STUDY - DANCE. 1-3 cr. 6 cr. maximum.** Directed study and/or research in selected areas of dance. Prerequisite: approval of department head. F, Sp, Su (Formerly DANC 491D)
- 4096. DIRECTED STUDY – SELECTED TOPICS. 1-3 cr. 6 cr. maximum.** Directed study and/or research in selected areas of dance. Prerequisite: approval of department head. F, Sp, Su (Formerly DANC 491E)

## DENTAL HYGIENE (DHYG)

Required for a major: 3018, 3019, 3020, 3021, 3022, 3023, 3024, 3025, 3026, 3027, 4014, 4015, 4016, 4017, 4019, 4020, 4021, 4022, 4024, 4027, 4028, 4029, 4033, 4034—Total of 57 semester hours.

- 1001. 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
- 3018. 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 3019; Dental Hygiene 3020, 3021, 3022, 3023 or permission of department head.
- 3019. ORAL HISTOLOGY AND EMBRYOLOGY LAB. 1 cr.** A laboratory course to accompany 3018. Two hours laboratory. Prerequisite: credit or registration in 3018 or permission of department head.
- 3020. 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 3021. F
- 3021. 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 3020. Prerequisite: registration in 3020. F
- 3022. 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
- 3023. 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
- 3024. 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: 3020, 3021, 3022, 3023; registration in 3025, 3026. Sp
- 3025. CLINICAL DENTAL HYGIENE. 2 cr.** A continuation of 3021. Concentration on the assessment, treatment and evaluation of patients demonstrating dental health to minimal disease. Implementation of preventive procedures to maintain dental health. Prerequisites: 3018-3019, 3020, 3021, 3022, 3023; registration in 3026. Sp
- 3026. CLINICAL DENTAL HYGIENE LECTURE. 3 cr.** A didactic course to accompany 3025 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 3025. Sp
- 3027. 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: 3020, 3021, 3022, 3023; registration in 3025, 3026. Sp

- 4014. 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: DHYG 4015, 4016, 4017; registration in 4021, 4022. F
- 4015. 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 3000 level Dental Hygiene courses; registration in 4016, 4017. Su
- 4016. CLINICAL DENTAL HYGIENE. 1 cr.** A continuation of 3025. Application of didactic and clinical techniques to patient experiences involving healthy patients or those with minimal disease. Prerequisite: registration in 4017. Su
- 4017. CLINICAL DENTAL HYGIENE LECTURE. 1 cr.** A lecture to accompany Dental Hygiene 4016 and a continuation of Dental Hygiene 3026. Emphasis will be placed on the evaluation and conditions, dental restorations as they relate to these conditions and occlusion. Prerequisite: registration in 4016. Su
- 4018. 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: 4014, 4015, 4016, 4017; registration in 4021, 4022.
- 4019. 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: 4014, 4015, 4016, 4017; registration in 4021, 4022. F
- 4020. COMMUNITY AND PREVENTIVE DENTISTRY FIELD EXPERIENCE. 2 cr.** Continuation of 4019. 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: 4019, 4021, 4022, 4024, 4033; registration in 4028, 4029. Sp
- 4021. CLINICAL DENTAL HYGIENE. 5 cr.** A continuation of Dental Hygiene 4016. 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: 4015, 4016, 4017; registration in 4014 and 4022. F
- 4022. CLINICAL DENTAL HYGIENE LECTURE. 2 cr.** Course to accompany 4021 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 4021. F
- 4023. 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: 4014, 4015, 4016, 4017; registration in 4021, 4022. Sp
- 4024-4025. 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 4024: 4014, 4015, 4016, 4017; registration in 4021, 4022. Prerequisites for 4025: 4019, 4021, 4024, 4031, 4033; registration in 4028, 4029. Sp
- 4026. 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: 4019, 4021, 4022, 4031; registration in 4028, 4029, 4033.
- 4027. ETHICS, JURISPRUDENCE AND PRACTICE MANAGEMENT. 2 cr.** Laws and ethics relating to the dental hygienist. Dental office policies and procedures. Prerequisites: 4019, 4021, 4022, 4031, 4033; registration in 4028, 4029. Sp
- 4028. CLINICAL DENTAL HYGIENE. 5 cr.** A continuation of 4022. Clinical experiences with a variety of patients including pediatric, geriatric, medically compromised and developmentally challenged. Emphasis on the moderate to advanced periodontal patient. Prerequisites: 4019, 4021, 4022, 4031, 4033; registration in 4029. Sp
- 4029. CLINICAL DENTAL HYGIENE LECTURE. 2 cr.** A didactic course to accompany 4028. 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 4028. Sp
- 4030. PROBLEMS. 1-3 cr., maximum 9 cr.** Problems in Dental Hygiene. Prerequisites: 4015, 4016, 4017 and approval of the program director.
- 4031. 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: 4014, 4015, 4016, 4017; registration in 4021, 4022.
- 4033. 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: 4015, 4016, 4017; registration in 4014, 4021, 4022.
- 4034. MANAGEMENT OF THE MEDICALLY COMPROMISED PATIENT. 3 cr.** The dental assessment and management of the medically compromised patient. Prerequisites: Credit in 4015, 4016, 4017, and registration in 4014, 4021, 4022.
- 4035. EDUCATION AND SUPERVISION. 1-3 cr. Maximum, 9 cr.** Individual study and/or research in selected dental hygiene topics. Prerequisite: approval of program director. (Formerly DHYG 432A)
- 4036. PERIODONTOLOGY. 1-3 cr. Maximum, 9 cr.** Individual study and/or research in selected dental hygiene topics. Prerequisite: approval of program director. (Formerly DHYG 432B)
- 4037. ORAL PATHOLOGY. 1-3 cr. Maximum, 9 cr.** Individual study and/or research in selected dental hygiene topics. Prerequisite: approval of program director. (Formerly DHYG 432C)
- 4038. COMMUNITY AND PREVENTIVE DENTISTRY. 1-3 cr. Maximum, 9 cr.** Individual study and/or research in selected dental hygiene topics. Prerequisite: approval of program director. (Formerly DHYG 432D)
- 4039. BASIC SCIENCES. 1-3 cr. Maximum, 9 cr.** Individual study and/or research in selected dental hygiene topics. Prerequisite: approval of program director. (Formerly DHYG 432E)
- 4040. CLINICAL DENTAL HYGIENE. 1-3 cr. Maximum, 9 cr.** Individual study and/or research in selected dental hygiene topics. Prerequisite: approval of program director. (Formerly DHYG 432F)

## ECONOMICS (ECON)

For Undergraduates Only

- 1003. 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 2001 and 2002. F, Sp

- 2001. 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
- 2002. 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
- 3001. 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: 2001, 2002. F, Sp
- 3005. 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: 2001, 2002.
- 3007. LABOR ECONOMICS 3 cr.** The historic setting, conditions of employment, wages, organization and conflicts, public interest, and regulation. Prerequisite: 2002. F
- 3009. 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: 2002.
- 3011. 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: 2001, 2002.
- 3012. 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: 2001, 2002.
- 3013. 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: 2001, 2002.
- 3021. 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: 2002, QMDS 2010.
- 3090. 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: 2001, 2002.
- 4001. 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: 2001, 2002.
- 4003. 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: 2001, 2002.
- 4004. 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: 2002 and junior standing.

- 4009. 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 2001, 2002.
- 4010. 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 4010) Prerequisite: 2001 or SOCL 1001 or permission of instructor. F
- 4020. 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: 3005 or 3012, QMDS 2010.
- 4091. 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

## EDUCATIONAL ADMINISTRATION AND SUPERVISION EDUCATIONAL FOUNDATIONS (EDFN)

For Undergraduates Only

- 4003. RESEARCH FOR PRACTITIONERS. 3 cr.** An introduction to research, through which students will become consumers of research in their respective fields.

## ELEMENTARY EDUCATION (ELED)

Undergraduate Requirements

Required for a major in Elementary Education:  
CURR 2085, 3077; Educational Foundations 2001, 4001;  
Elementary Education 3040, 3041, 3042, 4041, 4042,  
4043, 4061, 4063; Psychology 2003, 3001; Special  
Education 2002. Total of 59 semester hours.

For Undergraduates Only

- 3001. PRINCIPLES OF TEACHING IN THE ELEMENTARY SCHOOL. 3 cr.** Procedures and techniques of teaching in the elementary school.
- 3040. 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
- 3041. 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
- 3042. 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
- 4019. 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.

- 4020. 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.
- 4021. 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.
- 4041. 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
- 4042. 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
- 4043. 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
- 4052. NURSERY SCHOOL AND KINDERGARTEN. 3 cr.** Materials, methods, organization, and administration of nursery schools and kindergartens. Prerequisite: 4051. Must be admitted to Teacher Education. Sp, Sum
- 4054. 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
- 4061. 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
- 4062. 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
- 4063. 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
- 4064. 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
- 4065. 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
- 4066. 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
- 4091. DIRECTED STUDY. 1-6 cr.** Investigative study on selected problems by students with particular needs.

#### For Undergraduates and Graduates

- 4051. 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
- 4053. 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.

**4084. READING. 3-6 cr.** Internship program designed to give supervised experience in the school. Must be admitted to Teacher Education. (Formerly ELED 483A)

**4085. EARLY CHILDHOOD-KINDERGARTEN/NURSERY SCHOOL. 3-6 cr.** Internship program designed to give supervised experience in the school. Must be admitted to Teacher Education. (Formerly ELED 483B)

**4086. ELEMENTARY EDUCATION. 3-6 cr.** Internship program designed to give supervised experience in the school. Must be admitted to Teacher Education. (Formerly ELED 483C)

## ENGLISH (ENGL)

### Undergraduate Requirements

Required for a major: 1001 and 1002 (core composition); 2001 and 2002; 2005 or 2006 (counts towards Core Humanities); Sophomore English Literature elective; 3050 or 3051; and 24 additional upper division hours to include: 12 hours at the 4000 level to satisfy English distribution requirements; 4025 or 4082 or 4083; 3 hours of upper division English writing course; 6 hours of upper division English elective courses. Total of 36 semester hours.

Required for a minor: English 1001-1002; any 2 of 2001, 2002, 2003, 2004, 2005, 2006; 3050 or 3051, and 9 additional upper division hours at the 4000 level—Total of 24 semester hours.

Required for a major (English Education): 1001-1002; 2001-2002; 2005 or 2006, 3025 and 4026; 4037 or 4038; 4078 or 4079; 4081, 4082 or 4083. Total of 33 semester hours. (See specific degree plan in the College of Education and Human Development section).

Required for a minor (English Education): 1001-1002; 2001-2002; 2005 or 2006; 4078 or 4079; 3025. Total of 21 semester hours. Teacher certification in this minor area requires 30 credit hours or the Praxis content specialty exam.

Required for a minor (Professional Writing) (online): English 1001-1002; 3 hours from one of English 3020, 3021, 3022, 3023 or any upper-level writing course; 12 additional upper-division hours from any of English 4040, 4042, 4044, 4045, 4046, or 4080. Total of 21 hours.

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 1002 is required for enrollment in English courses that are 2000 level and above.

Students whose placement criteria indicate that they are deficient in basic English skills will be required to pass English 0090 with a grade of "C" or better before enrolling in English 1001.

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.

- 0090. GRAMMAR AND COMPOSITION. 3 cr.** Intensive instruction in basic grammar and composition. Three semester hours will be added to the degree program of any student required to take this course.
- 1001. 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.
- 1002. COMPOSITION II. 3 cr.** Composition of analytical and argumentative writing using documentation and research. Prerequisite: 1001 with "C" or better.
- 1010. HONORS COMPOSITION. 3 cr.** A thematic first-year composition course for proficient writers, focusing on the study of sophisticated writing and reading strategies, critical thinking, and research. Prerequisite: Admission to the Honors Program or permission of the Honors Council. Acceptance to the Honors Program and successful completion of English 1010 substitute for English 1002. Honors students are not required to take English 1001. English 1010 fulfills three hours of the total number of hours in English required in any curriculum. (Formerly HONR 110H)
- 2001. ENGLISH LITERATURE I. 3 cr.** Texts through the eighteenth century. Content varies.
- 2002. ENGLISH LITERATURE II. 3 cr.** Texts from Romanticism to the present. Content varies.
- 2003. WORLD LITERATURE I. 3 cr.** Texts through the Renaissance, in English translation. Contents varies.
- 2004. WORLD LITERATURE II. 3 cr.** Texts from the Enlightenment to the present, in English translation. Content varies.
- 2005. AMERICAN LITERATURE I. 3 cr.** Texts to the Civil War. Content varies.
- 2006. AMERICAN LITERATURE II. 3 cr.** Texts from the Civil War to the present. Content varies.
- 2007. HONORS ENGLISH. 3 cr.** A study of major works of world literature, designed to strengthen the students' critical abilities and writing skills. Prerequisite: Admission to the Undergraduate Honors Program or permission of the Honors Council. (Formerly HONR 207H)
- 2016. AFRICAN-AMERICAN LITERATURE. 3 cr.** A thematic and cultural study of works of Afro-American writers.
- 2017. 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.
- 2019. 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. (Formerly HONR 219H)
- 2052. SPECIAL TOPIC OF GENDER. 3 cr.** (Individual topic may not be repeated for credit.) Introduction to varying themes in literature. (Formerly ENGL 251A)
- 2053. SPECIAL TOPIC OF NATURE AND SCIENCE. 3 cr.** Individual topic may not be repeated for credit. Introduction to varying themes in literature. (Formerly ENGL 251B)
- 2054. SPECIAL TOPIC OF NATIVE PEOPLES. 3 cr.** Individual topic may not be repeated for credit. Introduction to varying themes in literature. (Formerly ENGL 251C)
- 2055. SPECIAL TOPIC OF IMMIGRANTS AND EMIGRANTS. 3 cr.** Individual topic may not be repeated for credit. Introduction to varying themes in literature. (Formerly ENGL 251D)
- 2056. SPECIAL TOPIC OF SOCIETY AND CULTURE. 3 cr.** Individual topic may not be repeated for credit. Introduction to varying themes in literature. (Formerly ENGL 251E)
- 2057. SPECIAL TOPIC OF POLITICS AND ECONOMICS. 3 cr.** Individual topic may not be repeated for credit. Introduction to varying themes in literature. (Formerly ENGL 251F)
- 2058. SPECIAL TOPIC OF CHILD AND ADOLESCENT. 3 cr.** Individual topic may not be repeated for credit. Introduction to varying themes in literature. (Formerly ENGL 251G)
- 3003. 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: 1002
- 3004. 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.
- 3009. 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: 1002.
- 3010. SCIENCE FICTION. 3 cr.** Selected readings in contemporary science fiction.
- 3011. THE SHORT STORY. 3 cr.** The development and techniques of the short story with emphasis on literary appreciation.
- 3012. CONTEMPORARY AMERICAN FICTION. 3 cr.** Critical analysis of selected novels written since World War II.
- 3013. INTRODUCTION TO THE NOVEL. 3 cr.** An introduction to the development of the novel as a literary genre, and to approaches to its study.
- 3014. INTRODUCTION TO PERSONAL NARRATIVE. 3 cr.** The autobiography, journal, diary, essay and others as representative texts of personal narrative. Topics and texts to vary.
- 3015. CREATIVE WRITING. 3 cr.** Writing and criticism of short stories, essays, one-act plays, and poetry.
- 3020. 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 1002 or 1003; junior standing; restricted to pharmacy and toxicology majors. (Formerly ENGL 220A)
- 3021. 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 1002; junior standing or permission of English department head; restricted to health sciences majors. (Formerly ENGL 220A)
- 3022. 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 1002; junior standing or permission of English department head; restricted to biology, chemistry, geosciences, computer science, aviation, and agriculture majors. (Formerly ENGL 220B)
- 3023. 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 1002; 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).
- 3025. ADVANCED GRAMMAR. 3 cr.** Prerequisite: 1002.
- 3026. ADVANCED COMPOSITION. 3 cr.** Factual, narrative, biographical, informal, and critical essays with intensive study of prose techniques. Prerequisite: 1002.
- 3050. JUNIOR SEMINAR: PROSE. 3 cr.** Intensive study of a significant body of prose works, with an emphasis on close reading. Prerequisite: any two of 2001, 2002, 2003, 2004, 2005 and 2006.

- 3051. 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 2001, 2002, 2003, 2004, 2005 and 2006.
- 3093. 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 3003.)
- 3094. CLASSICAL TRAGEDY AND COMEDY. 3 cr.** The study of major Greek and Roman plays.
- 4042. STYLE AND EDITING IN TECHNICAL WRITING. 3 cr.** A study of the varieties of technical style and techniques of editing and revision.
- 4045. WRITING FOR THE WEB. 3 cr.** An introduction to writing effective content for the Web with emphasis on visual design, rhetorical principles, technology, and usability. Prerequisite: registration in or completion of any junior-level or above writing course or department head approval.
- 4051. LITERATURE. 1-3 cr.** May be repeated for a total of 6 credits. Directed study in selected topics. Prerequisite: advanced standing and approval of department head. (Formerly ENGL 450A)
- 4052. CREATIVE WRITING. 1-3 cr.** May be repeated for a total of 6 credits. Directed study in selected topics. Prerequisite: advanced standing and approval of department head. (Formerly ENGL 450B)
- 4053. CRITICAL THEORY. 1-3 cr.** May be repeated for a total of 6 credits. Directed study in selected topics. Prerequisite: advanced standing and approval of department head. (Formerly ENGL 450C)
- 4054. RHETORIC/COMP PRAXIS AND THEORY. 1-3 cr.** May be repeated for a total of 6 credits. Directed study in selected topics. Prerequisite: advanced standing and approval of department head. (Formerly ENGL 450D)
- 4080. INTERNSHIP IN TECHNICAL AND PROFESSIONAL COMMUNICATION. 3 cr., 6 cr. max.** Advanced instruction and on-the-job experience in technical writing.
- 4099. SENIOR CAPSTONE. 3 cr.** A synthesis of undergraduate coursework incorporating genre analysis, research proficiency, and professional preparedness. Prerequisite: senior status English major.
- For Undergraduates and Graduates**
- 4005. ENGLISH NOVEL TO 1800. 3 cr.** Critical analysis of major novels and study of origin and development.
- 4006. NINETEENTH CENTURY ENGLISH NOVEL. 3 cr.** Critical analysis of major novels and study of changes in aim and technique.
- 4007. TWENTIETH CENTURY ENGLISH NOVEL. 3 cr.** Critical analysis of major novels and study of changes in aim and technique.
- 4009. MODERN POETRY. 3 cr.** Analysis of structure, form, and content of significant works of selected twentieth-century British and American poets.
- 4010. MODERN DRAMA. 3 cr.** Selected contemporary English, continental, and American dramas.
- 4013. AMERICAN NOVEL. 3 cr.** Critical analysis of major novels and study of the context.
- 4016. MODERN EUROPEAN FICTION. 3 cr.** Selected English works, as well as continental novels that have been translated into English.
- 4020. RESEARCH FOR TECHNICAL WRITERS. 3 cr.** Materials, methods, and techniques of research required of the technical writer.
- 4021. 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.
- 4025. LITERARY CRITICISM. 3 cr.** Major aesthetic theories related to exercises in practical criticism.
- 4026. MULTICULTURAL LITERATURE. 3 cr.** Introduction to the multicultural literature of the world.
- 4027. LITERATURE OF THE SOUTH. 3 cr.** Representative writers of the myth and reality of The South.
- 4036. CHAUCER. 3 cr.** Studies in *The Canterbury Tales* and selected other works of Geoffrey Chaucer.
- 4037. SHAKESPEARE'S TRAGEDIES. 3 cr.** Representative tragedies, with emphasis on principles governing the genre.
- 4038. SHAKESPEARE'S COMEDIES AND HISTORIES. 3 cr.** Representative comedies and histories, with emphasis on Shakespeare's development as a dramatic artist.
- 4039. MILTON. 3 cr.** The major poems and selected prose and minor poetry.
- 4040. GRAPHIC PRESENTATION IN TECHNICAL COMMUNICATION. 3 cr.** Theory, use, and creation of graphics and visuals in professional communication and documentation. Prerequisite: registration in or completion of any upper-level writing course or permission of the department head.
- 4044. 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.
- 4046. ADVANCED PROFESSIONAL WRITING AND COMMUNICATION. 3 cr.** Theory, use, and creation of advanced professional documents. Focus on writing and communication outcomes based on audience needs. Instruction in various areas of professional communication and preparation for the job market. Prerequisite: registration in or completion of any upper-level writing class or permission of the department head. Credit for BUSN 3005 and ENGL 4046 cannot be used to fulfill requirements for the Bachelor of Business Administration (BBA) degree without permission of the CBA.
- 4071. MEDIEVAL LITERATURE. 3 cr.** Selected English or European works before 1500, excluding Chaucer.
- 4072. RENAISSANCE. 3 cr.** Non-dramatic poetry and prose of the Tudor Period.
- 4073. SEVENTEENTH CENTURY. 3 cr.** Development of English prose and poetry from the beginning of the Jacobean Age through the Restoration.
- 4074. EIGHTEENTH CENTURY. 3 cr.** Major English writers of the Augustan and Johnsonian periods.
- 4075. ROMANTIC MOVEMENT. 3 cr.** Representative writers and works of the Romantic period.
- 4076. VICTORIAN PERIOD. 3 cr.** Representative writers and works of the British Victorian era.
- 4078. AMERICAN LITERARY STUDIES I. 3 cr.** Works of major writers to 1850.
- 4079. AMERICAN LITERARY STUDIES II. 3 cr.** Works of major writers from 1850 to the present.
- 4081. 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.
- 4082. LINGUISTICS. 3 cr.** An introduction to theories and analysis of language structure and use.
- 4083. 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.
- 4090. ADVANCED POETRY WRITING. 3 cr.** The writing of poetry, with emphasis on voice, style, and vision. Course may be taken twice for maximum of 6 credit hours.
- 4091. ADVANCED FICTION WRITING. 3 cr.** The writing of fiction, with emphasis on voice, style, and fictive worlds. Course may be taken twice for maximum of 6 credit hours.

## ENGLISH AS A SECOND LANGUAGE (ESLG)

### For Undergraduates Only

- 0071. 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.
- 0072. BEGINNING STRUCTURE. 5 cr.** A beginning English structure course for non-native speakers. Students will receive a grade of A, B, C, or NC.
- 0073. 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.
- 0074. 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.
- 0081. 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-0071 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.
- 0082. LOW INTERMEDIATE STRUCTURE. 5 cr.** The first of two intermediate English structure courses for non-native speakers. Prerequisite: A minimum of "C" in ESL-0072 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.
- 0083. PRONUNCIATION. 2 cr.** The second of two English pronunciation courses for non-native speakers. A continuation of ESL-0073. Focuses on increasing accuracy in pronunciation. Addresses individual needs. Prerequisite: A minimum of "C" in ESL-0073 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.
- 0084. 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-0074 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.
- 0091. 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-0081 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.
- 0092. INTERMEDIATE STRUCTURE. 5 cr.** The second of two intermediate English structure courses for non-native speakers. Prerequisite: Minimum of "C" in ESL-0082 or placement based on competency tests given by the Department of Foreign Languages. Students will receive a grade of A, B, C, or NC.
- 0093. 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-0083 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.
- 0094. 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-0084 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.
- 1003. 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 1001.
- 1004. 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.)
- 1005. 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 1001. Prerequisite: A minimum of "C" in ESL-0091 and 0092 or placement based on English competency tests given by the Department of Foreign Languages.
- 1006. 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-0093 and ESL-0094 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.)
- 1007. 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-1005 or placement based on competency tests given by the Department of Foreign Languages.
- 1008. 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 0091 and 0092 or placement based on English competency tests given by the Department of Foreign Languages.

## ENTREPRENEURSHIP (ENTR)

### For Undergraduates Only

- 2050. 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. F, S
- 3051. 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 2005.
- 3052. 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 3030)
- 3053. 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 3030)

**4035. 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: Junior standing or consent of instructor. F

**For Undergraduates and Graduates**

**4032. NEW VENTURE CREATION. 3 cr.** Developing, planning, and running new enterprises. Analysis and pursuit of new business opportunities, and development of business plans. Prerequisites: 2050 and junior standing; or consent of instructor. F

**4033. 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. F

## FAMILY AND CONSUMER SCIENCES (FCSC)

### Undergraduate Requirements

Required for a major in - Family and Consumer Sciences Education: 1004, 1005, 1015, 1016, 1017, 2006, 2007, 2012, 2021, 3011, 3012, 3017, and 4004. Total of 31 semester hours. (See specific degree plan in the College of Education and Human Development section.)

### For Undergraduates Only

**1001. PROFESSIONAL ETIQUETTE. 1 cr.** Understanding of basic social concepts in the home, society, business and the professional world.

**1004. 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.

**1005. FAMILY RELATIONSHIPS. 3 cr.** Interrelationships of the individual and his family through the stages of the family life cycle.

**1013. INTRODUCTION TO FAMILY AND CONSUMER SCIENCES. 1 cr.** Exploring careers in Family and Consumer Sciences and the roles assumed by these professionals.

**1014. NUTRITION FOR HEALTHY LIFESTYLE. 1 cr.** Relating dietary intake to a healthy life style based on behavior modification and sound nutritional practices.

**1015. NUTRITION EDUCATION. 2 cr.** The study of the nutritional needs of individuals. Emphasis on basic concepts for the life cycle.

**1016. APPLIED NUTRITION. 1 cr.** Basic principles and techniques for nutritionally adequate meals and snacks. Two-hour laboratory.

**1017. PERSONAL AND FAMILY MANAGEMENT. 3 cr.** Philosophy and methods for managing time, energy, money, family and home with emphasis on personal and family relationships.

**1067. APPLICATION OF COMPUTERS TO FAMILY AND CONSUMER SCIENCES. 1 cr.** Work with computer software relating to Family and Consumer Sciences.

**2003. 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.

**2006. 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

**2007. NUTRITION. 3 cr.** Consideration of basic nutrition related to food and health problems in the present socioeconomic and cultural environment.

**2011. 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 2006.

**2012. 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.

**2015. PROGRAM PLANNING. 2 cr.** Techniques of organizing activities for day care centers. Emphasis on creative arts, music, literature, and science. Prerequisite: 2012. F

**2017. CHILD GUIDANCE. 2 cr.** Directing and guiding the behavior of young children in the preschool setting. Sp

**2018. CHILD GUIDANCE LABORATORY. 1 cr.** Required laboratory to accompany FCSC 2017. Three hours laboratory.

**2020. PROGRAM PLANNING LABORATORY. 1 cr.** Required laboratory to accompany FCSC 2015. Three hours laboratory. Prerequisite: FCSC 2012.

**2021. TEXTILES. 3 cr.** A study of fibers and fabrics, their properties, identification, uses, and care.

**2026. 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.

**3001. 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 2015, 2020.

**3005. 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 2015, 2020.

**3011. 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: 2012 or PSYC 2003. F, Sp

**3012. PRESCHOOL CHILD LABORATORY. 1 cr.** Required laboratory to accompany FCSC 3011. Three hours laboratory.

**3013. METHODS. 3 cr.** Modern methods of teaching family and consumer sciences in secondary schools. Prerequisites: Educational Foundations 2001, PSYC 2005, 3001.

**3016. HOUSING. 3 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.

**3017. CONSUMER EDUCATION. 3 cr.** Explanation of family consumer decisions in relation to alternatives in attainment of family goals.

**3036. 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.

**3037. 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: 2006, 2011, 2021.

**3055. COMPUTER-AIDED DESIGN. 3 cr.** Two dimensional drafting and design. One hour of lecture; four hours studio. Prerequisite: junior standing. Sp

**4000. PRESCHOOL METHODS. 3 cr.** Planning and preparation of units and lessons for the preschool. Prerequisites: Senior standing, 3011, 3012.

**4004. 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.

- 4005. 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 3001, 3005, and FCSC major.
- 4006. 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; 2011, 3037.
- 4009. VISUAL MERCHANDISING. 3 cr.** Preparation of window and store displays, fashion shows, and store promotions.
- 4012. ADVANCED NUTRITION. 3 cr.** Problems in human nutrition. Investigation of recent developments in the field of nutrition.
- 4021. 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 3013. Must be admitted to Teacher Education.
- 4029. 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: 4000. F, Sp
- 4030. 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.
- 4031. 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.
- 4037. INTERMEDIATE STUDIO. 3 cr.** Individual design projects in a residential and/or commercial setting. Six hours laboratory or equivalent. Prerequisites: 2006, 3037.
- 4038. ADVANCED STUDIO. 3 cr.** Individual design projects. Six hours laboratory or equivalent. Prerequisites: 4037 and approval of instructor.
- 4039. 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.

#### For Undergraduates and Graduates

- 4015. CLOTHING AND TEXTILES. 1-6 cr. Maximum, 6 cr.** Problems in clothing and textiles. Prerequisite: approval of department head. (Formerly FCSC 415A)
- 4016. EQUIPMENT AND HOME MANAGEMENT. 1-6 cr. Maximum, 6 cr.** Problems in equipment and home management. Prerequisite: approval of department head. (Formerly FCSC 415B)
- 4017. FAMILY RELATIONS AND HUMAN DEVELOPMENT. 1-6 cr. Maximum, 6 cr.** Problems in family relations and human development. Prerequisite: approval of department head. (Formerly FCSC 415C)
- 4018. FOODS AND NUTRITION. 1-6 cr. Maximum, 6 cr.** Problems in food and nutrition. Prerequisite: approval of department head. (Formerly FCSC 415D)
- 4019. FAMILY AND CONSUMER SCIENCES EDUCATION. 1-6 cr. Maximum, 6 cr.** Problems in family and consumer sciences education. Prerequisite: approval of department head. (Formerly FCSC 415E)
- 4020. HOUSING AND HOME FURNISHINGS. 1-6 cr. Maximum, 6 cr.** Problems in housing and home furnishings. Prerequisite: approval of department head. (Formerly FCSC 415F)
- 4034. FAMILIES IN A CHANGING WORLD. 3 cr.** Study of current issues affecting families and the professionals who work with them.
- 4035. 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 4035.)
- 4036. 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 4036)

## FINANCE (FINA)

Required for a major in Finance: Accounting 3010, 3011, or Accounting electives; Economics 3001 and 3011; Finance 3016, 4001, 4005 and 6 additional hours from 4004, 4006, and 4010; Insurance 2005 - a total of 30 semester hours.

Required for a minor in Finance: Finance 3015, 3016, 4001 and 6 additional hours from 4004, 4005, 4006, 4010; Economics 3001 - Total of 18 semester hours.

#### For Undergraduates Only

- 2003. 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
- 3001. PERSONAL FINANCE AND MONEY MANAGEMENT. 3 cr.** The role of consumers in the American economic system and problems affecting their interests, living standards, budgets, controls and government assistance. Not applicable to a major or minor in Finance. Prerequisite: junior standing
- 3015. 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 1010 or 2013, and ECON 2001. F, Sp, Su
- 3016. 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: 3015.
- 3023. 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 2003 or approval of instructor. F
- 3030. 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 3052) Prerequisite: junior standing.
- 4001. 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: 3015. F
- 4004. 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: 3015. Sp

- 4005. 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: 3016. Sp
- 4006. 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: 3015 and QMDS 2010. Sp
- 4009. REAL ESTATE APPRAISAL. 3 cr.** Fundamentals of appraising residential, commercial, and industrial real estate. Prerequisite: 3003, CONS 2010, or approval of instructor. F
- 4010. 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: 3015 and ECON 3001.
- 4011. 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: 3003 or approval of instructor. F
- 4013. 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 2001, 2002. Sp, even
- 4014. 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 3001.
- 4092. BANKING. 1-3 cr.** Individual directed study of banking. May be repeated for a total of 6 crs. Prerequisite: approval of department head. F, Sp, Sum (Formerly FINA 491A)
- 4093. FINANCE. 1-3 cr.** Individual directed study of finance. May be repeated for a total of 6 crs. Prerequisite: approval of department head. F, Sp, Sum (Formerly FINA 491B)
- 4094. REAL ESTATE. 1-3 cr.** Individual directed study of real estate. May be repeated for a total of 6 crs. Prerequisite: approval of department head. F, Sp, Sum (Formerly FINA 491D)

## FOREIGN LANGUAGE (FORL)

- 3094. 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 Modern Languages major - French Concentration: Total of 30 semester hours beyond 1001-1002, including 2031, 3012, and 3 hours of 3025.

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 2031, 3012, and 3025. 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 2001-2002 or 2005 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 2001, 2002, 3013; ACCT 1010, MRKT 3001, 4001. 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

- \*1001. ELEMENTARY FRENCH I. 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.
- \*1002. ELEMENTARY FRENCH II. 3 cr.** A continuation of the study of French on the elementary level. Prerequisite: A "C" or better in French 1001 or permission of the department head.
- 1003. 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.
- \*1005. ELEMENTARY FRENCH I AND II. 6 cr.** Same as French 1001 and 1002.
- 1097, 1098, 1099. BEGINNING FRENCH. 1 cr. each.** Independent reading, grammar, and/or conversation on the elementary level. Prerequisite: 1002 or 1005.
- 2001. INTERMEDIATE FRENCH I. 3 cr. each.** A continuation on the intermediate level of 1001-1002, with an increased emphasis upon reading and discussion. Work in the computerized Language Learning Center is required. Prerequisite: 1002 or 1005.
- 2002. INTERMEDIATE FRENCH II. 3 cr. each.** A continuation on the intermediate level of 1001-1002, with an increased emphasis upon reading and discussion. Work in the computerized Language Learning Center is required. Prerequisite: 1002 or 1005.
- 2005. INTERMEDIATE FRENCH I AND II. 6 cr.** Same as French 2001 and 2002. Prerequisite: a "C" or better in FRNH 1002 or department head approval.
- 2010. 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: 2002 or 2005 or permission of the department head.
- 2031. GRAMMAR AND COMPOSITION. 3 cr.** Elements of French grammar and syntax with drill in style, idioms, and verb forms. Prerequisite: 2002 or 2005.
- 3002. 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: 2002 or 2005.

- 3012. PHONETICS. 3 cr.** French phonetic system. Corrective and fluency drills in the language laboratory. Prerequisite: 2002, 2005 or equivalent or permission of the department head.
- 3015. 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 2002, 2005 or equivalent.
- 3021, 3022, 3023. INDEPENDENT READING. 1 cr. each.** Directed reading in excerpts of French literature, with continued emphasis on understanding, speaking, reading and writing French. Prerequisite: 2001.
- 3024. 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 2002 or 2005 or approval of the department head.
- 3025. 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: 2005 or permission of department head.

#### For Undergraduates and Graduates

- 4003. LITERATURE OF THE FRANCOPHONE WORLD. 3 cr., maximum 6 cr.** An in-depth analysis of the work of writers from the Francophone world. Prerequisite: 2002 or 2005 or equivalent.
- 4004. SEMINAR IN FRENCH LITERATURE. 3 cr., maximum 6 cr.** An in-depth analysis of a literary movement or writer of French literature. Prerequisite: 2002 or 2005 or the equivalent.
- 4015. 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: 2005 or permission of the department head.
- 4074. SECOND LANGUAGE ACQUISITION. 3 cr.** The application of second language acquisition theory in the classroom. (Same as SPAN 4074) Prerequisite: Spanish/French 2005.
- 4075. LANGUAGE, CULTURE AND THE CLASSROOM. 3 cr.** The application of second language acquisition theory in the elementary or secondary classroom. (Same as Spanish 4075). Prerequisite: French 2005.

## GEOGRAPHY (GEOG)

Required for a minor: GEOG 1001, 1002, 2003, and 9 additional Geography hours (3 hours must be at the 4000 level)—Total of 18 semester hours.

#### For Undergraduates Only

- 1001-1002. 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 1001 covers Europe (including Russia), North America, and North Africa/Middle East and GEOG 1002 covers Latin America, Sub-Saharan Africa, and Asia.
- 1003. 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.
- 1011. 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 1011.)
- 2001. 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 2001.)
- 2003. LOUISIANA. 3 cr.** A survey of the natural landscape; land forms, climate, soils, drainage, and the geographic factors; agriculture, transportation, and population.
- 2013. PHYSICAL GEOGRAPHY. 3 cr.** The natural landscape, with special emphasis on the distribution of land-forms, climate, soil, and vegetation.
- 2014. PHYSICAL GEOGRAPHY LABORATORY. 1 cr.** Two hours laboratory to accompany Geography 2013.
- 2015. CARTOGRAPHY. 3 cr.** Development of cartography, techniques, nature, and usage of map projections; interpretation of maps; map construction.
- 3001. CULTURAL GEOGRAPHY. 3 cr.** An advanced course focusing on the study of culture and the expression of material culture in the landscape. Prerequisite: GEOG 1001, or 1002, or 2003 or permission of instructor.
- 3008. OLD WORLD ARCHEOLOGY. 3 cr.** A survey of the major archeological sequences of prehistoric Eurasia, Africa, and Oceania. (Same as ANTG 3008.)
- 3020. 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 1001 or GEOL 1001.
- 4001. NORTH AMERICA. 3 cr.** A regional study, with attention to the influence of climate, topography, and natural resources on industry and trade.
- 4003. LATIN AMERICA. 3 cr.** A regional study of the configuration, climates, natural resources, cultural patterns, and peoples.
- 4005. 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.
- 4007. EUROPE. 3 cr.** General distribution of natural and cultural features with detailed study of selected areas.
- 4009. 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.
- 4012. FORMER SOVIET UNION. 3 cr.** Physical and cultural environments, with special emphasis on climates, resources, industrializations, and population distribution.
- 4015. POLITICAL GEOGRAPHY. 3 cr.** Problems in production, trade, government, and world development growing out of geographic conditions. Prerequisite: GEOG 1001-1002.
- 4018. 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 1001-1002.
- 4020. 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 4003 or permission of the department head.
- 4021. 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 4021.)

## For Undergraduates and Graduates

- 4010. 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 4010.)
- 4011. 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 4011.)
- 4014. 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 4014.)
- 4023. 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 4023.)

## GEOLOGY (GEOL)

## Undergraduate Requirements

Required for a minor: 1001, 1002, 1003, 1004, 2015, 2017; GEOS 3030, 3031, and 3 additional semester hours of geology or geoscience above 2000. Total of 19 semester hours.

Required for a major in Earth Science Education: Geology 1001, 1002, 1003, 1004, 2011, 2013, 2020, 2021, 2080, 3009, 4018; 3 hours of Geology elective, and Atmospheric Sciences 1001. Total of 31 semester hours.

Required for a minor in Earth Science Education: Geology 1001, 1002, 1003, 1004, 2020, 2021, 2080, 4018, and Atmospheric Sciences 1001. Total of 21 semester hours. Teacher certification in this minor area requires 30 credit hours or the Praxis content specialty exam.

## For Undergraduates Only

- 1001. 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 1001 and GEOL 2006.
- 1002. 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.
- 1003. PHYSICAL LABORATORY. 1 cr.** Two hours laboratory to accompany 1001. Credit may not be earned in both 1003 and 2008.
- 1004. HISTORICAL LABORATORY. 1 cr.** Two hours laboratory to accompany 1002.
- 1005. 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: 1001.
- 1010. THE AGE OF DINOSAURS. 3 cr.** A nontechnical survey, especially designed for non-science 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.
- 2000. 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 1001, 1002, 1003, 1004, and registration in or completion of GEOL 2020 and 2021.
- 2006. 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 1001 and 2006.
- 2008. ENGINEERING LABORATORY. 1 cr.** Two hours laboratory to accompany 2006. Credit may not be earned in both GEOL 1003 and 2008.
- 2011. PALEONTOLOGY. 3 cr.** Invertebrate fossils, classification, morphology, time and space, distribution, paleoecology, evolutionary trends, and their use in correlation. Prerequisites: GEOL 1002, 1004. Field expenses —\$10.
- 2013. PALEONTOLOGY LABORATORY. 1 cr.** Three hours laboratory to accompany 2011.
- 2015. CRYSTALLOGRAPHY AND MINERALOGY. 2 cr.** Principles of crystallography and mineral identification. Survey of the major ore- and rock-forming mineral groups. Prerequisites: GEOL 1001, 1003, and enrollment in or credit for CHEM 1008, 1011.
- 2017. CRYSTALLOGRAPHY AND MINERALOGY LABORATORY. 2 cr.** Six hours of laboratory to accompany 2015.
- 2020. 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 1001, 1003.
- 2021. ROCKS AND MINERALS LAB. 2 cr.** Six hours of laboratory to accompany GEOL 2020. Hand specimen identification of major mineral species and rocks. Field expenses: \$10.00.
- 2080. 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 1001.
- 3000. 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 2000, GEOS 3030 and 3031, and MATH 1012.
- 3003. STRUCTURE. 3 cr.** The recognition, description, classification, origin and relationships of geologic structures. Prerequisites: GEOL 1002, 1004, 2015, 2017, MATH 1011, 1012, junior standing.
- 3009. STRATIGRAPHY. 3 cr.** Principles of biostratigraphy and lithostratigraphy, correlation methods, nomenclature, geochronology, paleoecology, facies, tectonics, and stratigraphic problems. Prerequisites: GEOL 2011, 2013.
- 3023. STRUCTURE LABORATORY. 1 cr.** Three hours laboratory to accompany GEOL 3003.
- 3027. PETROLOGY. 3 cr.** Classification, origin, and occurrence of igneous, metamorphic, and sedimentary rocks. Prerequisites: GEOL 2015, 2017, and current enrollment in 3029.
- 3029. PETROLOGY LABORATORY. 1 cr.** Three hours of laboratory to accompany 3027. Field expenses: \$10.00.
- 3035. CRYSTALS AND CRYSTAL CHEMISTRY. 3 cr.** Principles of crystallography. Origins and physiochemistry of minerals, igneous, metamorphic, and sedimentary rocks. Prerequisites: GEOL 2020, 2021.
- 3036. CRYSTALS AND CRYSTAL CHEMISTRY LAB. 1 cr.** Three hours of laboratory to accompany GEOL 3035. Crystal notation and identification. Advanced techniques of rock and mineral identification. Field expenses: \$10.00.

- 4000. 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 3000, 3003, 3009, 3023, 3035, 3036.
- 4001. GULF COAST. 3 cr.** The physiography, stratigraphy, structure, economics and origin of the Gulf Coastal province. Prerequisites: 3003, 3009, 3023.
- 4002. 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 3003, 3009, 3027, GEOS 3030.
- 4003. PETROLEUM. 3 cr.** The origin, geologic distribution, and accumulation of petroleum. Prerequisites: GEOL 3003, 3023.
- 4005. ECONOMIC GEOLOGY—METALS. 3 cr.** The origin and distribution of metallic ores. Prerequisites: GEOL 2015, 2017.
- 4006. 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 2015, 2017.
- 4007. SUBSURFACE. 2 cr.** Study and application of subsurface methods. Prerequisites: GEOL 3003, 3023.
- 4008. SUBSURFACE LABORATORY. 2 cr.** Six hours laboratory to accompany GEOL 4007.
- 4010. GEOCHEMISTRY. 3 cr.** Basic principles governing the origin, distribution, and migration of elements in the earth. Prerequisites: GEOL 2015, 2017.
- 4013. 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 3027, 3029, or approval of department head.
- 4014. 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 3027, 3029, and CHEM 1008, 1011, 2003, 2004, or approval of department head.
- 4017. 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 1001, 1002.
- 4018. 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 3003.
- 4019. MICROPALAEONTOLOGY. 1 cr.** Study of foraminifera, their classification, morphology, environmental significance and use in correlation. Prerequisites: GEOL 2011, 2013.
- 4023. 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 2015, 2017.
- 4024. X-RAY AND OPTICAL MINERAL ANALYSIS LABORATORY. 2 cr.** Six hours laboratory to accompany 4023.
- 4025. SEDIMENTATION. 3 cr.** The genesis, transportation, deposition, and classification of sediments; tectonic and environmental factors influencing deposition and sedimentary structure. Prerequisites: GEOL 2011, 2013.
- 4026. SEDIMENTATION LABORATORY. 1 cr.** Three hours laboratory to accompany 4025.
- 4029. MICROPALAEONTOLOGY LABORATORY. 2 cr.** Six hours laboratory to accompany 4019.

- 4030. 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 3027, 3029.

**For Undergraduates and Graduates**

- 4015. 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 1002, 1004.

## GEOSCIENCE (GEOS)

**For Undergraduates Only**

- 1050. INTEGRATED GEOSCIENCES FOR EDUCATION MAJORS. 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. Personal applications of science, process skills, problem-solving, and discovery learning are also emphasized. For Elementary Education majors only. (Formerly SCIE 104)
- 2001. 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).
- 3030. INTRODUCTION TO GEOMORPHOLOGY. 3 cr.** The recognition, classification, origin, and relationship of and forms.
- 3031. GEOMORPHOLOGY LABORATORY. 1 cr.** Three hours laboratory to accompany 3030.
- 3032. 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 2005 and ATMS 3004.
- 4001. PLANET EARTH. 3 cr.** Directed study in 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. (formerly GEOS 400A)
- 4003. EARTH REVEALED (INTRODUCTORY GEOLOGY). 3 cr.** Directed study in 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. (formerly GEOS 400C)
- 4005. OUT OF THE PAST: AN INTRODUCTION TO ARCHEOLOGY. 3 cr.** Directed study in 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. (formerly GEOS 400D)
- 4015. 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 1001 or GEOG 2013 or permission of the instructor.
- 4016. SEMINAR. 1 cr. Maximum, 3 cr.** Presentation of oral and written reports on current geology literature and problems of special interest.
- 4020. 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 2013 or GEOS 3030 or permission of instructor.

- 4021. 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 2001 or ECON 2002 (Same as AGECE 4021).
- 4030. 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 1001 or permission of the instructor.
- 4040. 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 1001, 4002, GEOL 1001, 2006, GEOG 2013.
- 4041. 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.
- 4060. 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 2001; GEOL 1001 and 1002.
- 4061. 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

- 4035. 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.
- 4045. ADVANCED GEOGRAPHIC INFORMATION SYSTEMS (GIS). 3 cr.** A project-oriented course intended to demonstrate how principles learned in GEOS 4035 can be applied to solving complex real-world problems. Prerequisite: GEOS 4035.
- 4050. 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.
- 4091. 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.
- 1002. ELEMENTARY GERMAN II. 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.
- 1003. 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 1001, 1002 or 1005.)
- 1005. ELEMENTARY GERMAN I AND II. 6 cr.** Same as German 1001 and 1002.
- 1097, 1098, 1099. BEGINNING GERMAN. 1 cr. each.** Independent reading, grammar, and/or conversation on the elementary level. Prerequisite: 1002 or 1005.
- 2001. INTERMEDIATE GERMAN I. 3 cr. each.** A continuation of 1001-1002, with an increased emphasis upon reading and discussion. Work in the computerized Language Learning Center is required. Prerequisite: 1002 or 1005.
- 2002. INTERMEDIATE GERMAN II. 3 cr. each.** A continuation of 1001-1002, with an increased emphasis upon reading and discussion. Work in the computerized Language Learning Center is required. Prerequisite: 1002 or 1005.
- 2005. INTERMEDIATE GERMAN I AND II. 6 cr.** Same as GRMN 2001 and 2002.
- 2009. 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: 2002 or 2005.
- 3010. GERMAN CULTURE AND CIVILIZATION/BEGINNING - PRESENT. 3 cr. Maximum, 9 cr.** German culture from its beginnings to the present. Prerequisite: 2002 or 2005. (Formerly GRMN 309A)
- 3011. THE 20th CENTURY IN CENTRAL EUROPE. 3 cr. Maximum, 9 cr.** Culture and civilization. Prerequisite: 2002 or 2005. (Formerly GRMN 309B)
- 3012. GERMAN-SPEAKING WORLD. 3 cr. Maximum, 9 cr.** Culture and civilization in the German-speaking world. Prerequisite: 2002 or 2005. (Formerly GRMN 309C)
- 4010. GERMAN LITERATURE SINCE GOETHE. 3 cr. Maximum, 9 cr.** Topic: German literature since Goethe. Prerequisite: 2002, 2005, or permission of the department head. (Formerly GRMN 409A)
- 4011. TWENTIETH-CENTURY GERMAN LITERATURE. 3 cr. Maximum, 9 cr.** Topic: Twentieth-century literature. Prerequisite: 2002, 2005, or permission of the department head. (Formerly GRMN 409B)
- 4012. GERMAN LITERATURE AFTER WORLD WAR II. 3 cr. Maximum, 9 cr.** Topic: German literature after World War II. Prerequisite: 2002, 2005, or permission of the department head. (Formerly GRMN 409C)
- 4020. MEDIEVAL GERMAN LITERATURE. 3 cr. Maximum, 9 cr.** Advanced readings in Medieval German Literature. Prerequisite: GRMN 2002 or 2005, or approval of department head. (formerly GRMN 419A)
- 4021. REFORMATION AND POST-REFORMATION LITERATURE. 3 cr. Maximum, 9 cr.** Advanced readings in Reformation and Post-Reformation Literature. Prerequisite: GRMN 2002 or 2005, or approval of department head. (formerly GRMN 419B)
- 4022. THE AGE OF GOETHE. 3 cr. Maximum, 9 cr.** Advanced readings in the Age of Goethe. Prerequisite: GRMN 2002 or 2005, or approval of department head. (formerly GRMN 419C)
- 4023. HISTORY OF THE GERMAN LANGUAGE. 3 cr. Maximum, 9 cr.** Advanced readings in the History of the German Language. Prerequisite: GRMN 2002 or 2005, or approval of department head. (formerly GRMN 419D)
- 4024. GENRE STUDIES. 3 cr. Maximum, 9 cr.** Advanced readings in Genre Studies. Prerequisite: GRMN 2002 or 2005, or approval of department head. (formerly GRMN 419E)

## GERMAN (GRMN)

### For Undergraduates Only

- 1001. ELEMENTARY GERMAN I. 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.

## GERONTOLOGY (GERO)

Required for an interdisciplinary minor: Gerontology 1001, 2026 and 12 hours of Gerontology electives and/or Psychology 4025, FCSC 4035 or 4036—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

- 1001. 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.
- 2026. 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 2026, Formerly SOCL and GERO 4026.)
- 4027. 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 4028. Prerequisite: approval of department head.
- 4028. 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.
- 4058. INTERNATIONAL STUDY: EUROPE. 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. Topic may not be repeated for credit. (Formerly GERO 456A)
- 4059. INTERNATIONAL STUDY: ENGLAND. 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. Topic may not be repeated for credit. (Formerly GERO 456B)
- 4060. INTERNATIONAL STUDY: LATIN AMERICA. 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. Topic may not be repeated for credit. (Formerly GERO 456C)
- 4061. INTERNATIONAL STUDY: FAR EAST. 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. Topic may not be repeated for credit. (Formerly GERO 456D)
- 4062. INTERNATIONAL STUDY: MIDDLE EAST. 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. Topic may not be repeated for credit. (Formerly GERO 456E)
- 4063. REGIONAL UNITED STATES FIELD STUDY: U.S. NORTH. 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. Topic may not be repeated for credit. (Formerly GERO 457A)

- 4064. REGIONAL UNITED STATES FIELD STUDY: U.S. SOUTH. 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. Topic may not be repeated for credit. (Formerly GERO 457B)
- 4065. REGIONAL UNITED STATES FIELD STUDY: U.S. EAST. 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. Topic may not be repeated for credit. (Formerly GERO 457C)
- 4066. REGIONAL UNITED STATES FIELD STUDY: U.S. WEST. 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. Topic may not be repeated for credit. (Formerly GERO 457D)

### For Undergraduates and Graduates

- 4010. 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. (Same as ECON 4010)
- 4011. 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 4011.)
- 4024. 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 4024)
- 4025. 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 4025)
- 4030. 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.
- 4031. 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.
- 4035. 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 4035)
- 4036. 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 4036.)
- 4052. 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. (Same as SOCL 4052.)
- 4075. 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.

## HEALTH STUDIES (HLST)

Required for a major in Health Studies with an option in Pre-Professional Health Studies: HLST 2001, 2002, 3001, 3002, 3003, 3004, 4001, 4003 or 4002, 4005 or 4006 plus an additional 16 guided electives. Health Studies students and academic advisors select from electives that strengthen career options in the health professions area. Total of 38 semester hours.

Required for a major in Health Studies with an option in Healthcare Management/Marketing: HLST 2001, 2002, 3001, 3002, 3003, 3004, 4001, 4002, 4003, 4005, and 4006 plus an additional 11 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 39 semester hours.

Required for a minor in Health Studies: HLST 2001, 2002, 3001, 3002, 3004, 4001, 4002, 4005, 4006 — Total of 24 hours.

- 2001. 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. F, Sp
- 2002. 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: Sophomore standing. F, Sp
- 2007. NUTRITION. 3 cr.** Application of principles of basic nutrition throughout the life cycle. Emphasis is on the relationship of nutrition to health and disease. F, Sp, Su
- 3001. 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 2001 or SOCL 1001 or 1002. F, Sp, Su
- 3002. 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 2001 or SOCL 1001. F, Sp
- 3003. 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, ENGL 3021 or BUSN 3005. F, Sp, Su
- 3004. 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 1016, completion of all University Core Curriculum and junior standing. F, Sp
- 4001. 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 2001 or SOCL 1001 or 1002. F, Su, Sp
- 4002. 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. F, Su, Sp
- 4003. 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: senior standing; Health Studies majors only; completion of all 2000 and 3000 HLST courses; completion of 90 credit hours towards Health Studies degree; minimum HLST GPA 2.75 with a "C" or better in HLST courses, minimum overall GPA 2.0. F, Sp, Su
- 4004. HEALTHCARE EMERGENCY PREPAREDNESS. 3 cr.** The course is to acquire basic healthcare emergency preparedness knowledge relevant to the needs of a healthcare professional during natural, technological and man-made disasters, identify and assess the healthcare needs of caring and in taking adequate measures in the event of acute illness. F, Sp
- 4005. 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. F, Su
- 4006. 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. Sp, Su
- 4007. GRANT WRITING AND HEALTH CARE. 3 cr.** This course will focus on developing the skills necessary to research funding sources and prepare an organized, well-written grant proposal. Prerequisites: ENGL 3021 or BUSN 3005 or approval of department head.

## HISTORY (HIST)

### Undergraduate Requirements

Required for a major: 1011, 1012, 2001, 2002, 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: 1011, 1012, 2001, 2002, 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

- 1010. 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 1011. (Formerly HONORS HISTORY 110H)
- 1011. WORLD CIVILIZATION I. 3 cr.** Survey of world history from early humanity to the eighteenth century.
- 1012. WORLD CIVILIZATION II. 3 cr.** Survey of world history since the seventeenth century.
- 2001. UNITED STATES HISTORY I. 3 cr.** 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. To 1877.
- 2002. UNITED STATES HISTORY II. 3 cr.** 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. 2002: Since 1877.
- 2009. 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 1012. (Formerly HONORS HISTORY 209H)
- 2019. 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 2001 or 2002. (Formerly HONORS HISTORY 219H)
- 3001. VIETNAM: A TELEVISION HISTORY. 3 cr. each.** Directed study of selected studies in history. Content varies. (Formerly HIST 300E)
- 3003. HERITAGE – CIVILIZATION AND THE JEWS. 3 cr. each.** Directed study of selected studies in history. Content varies. (Formerly HIST 300F)
- 3004. EYES ON THE PRIZE. 3 cr. each.** Directed study of selected studies in history. Content varies. (Formerly HIST 300J)
- 3005. 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.
- 3006. CIVIL WAR. 3 cr. each.** Directed study of selected studies in history. Content varies. (Formerly HIST 300P)
- 3007. THE AMERICAS. 3 cr. each.** Directed study of selected studies in history. Content varies. (Formerly HIST 300R)
- 3008. AMERICA IN PERSPECTIVE: U.S. SINCE 1877. 3 cr. each.** Directed study of selected studies in history. Content varies. (Formerly HIST 300S)
- 3009. 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 0309.)

- 3010. 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 1011-1012, 2001-2002, or 3005.
- 3012. 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.
- 3029. RUSSIAN HISTORY. 3 cr.** A survey of Russian history from the founding of tsarist Russia to the present.
- 3030. 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 1011, 1012.
- 3031. FRENCH HISTORY. 3 cr.** A survey of French political institutions, cultural development, and social structure from 800 to the present. (Formerly HIST 487).
- 3099. HISTORIAN'S CRAFT. 3 cr.** Historical research methods and an introduction to historiography. Prerequisite: History majors only or instructor permission.

#### For Undergraduates and Graduates

- 4008. CONTEMPORARY HISTORY. 3 cr.** A historical perspective on issues and events of the contemporary world. Prerequisites: HIST 1012 or 2002 or instructor consent.
- 4020. 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 1012, 2002 or consent of instructor.
- 4030. 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 1012 or 2002.
- 4036. 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 2001.
- 4040. NEW SOUTH, 1865-PRESENT. 3 cr.** The political, economic, and social development of the South from Reconstruction to the present. Prerequisites: HIST 2002. (Formerly HIST 487).
- 4046. 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.
- 4047. 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.
- 4049. 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 2001 or 2002.
- 4050. 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 2001.

- 4051. 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 2001.
- 4052. 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 2001.
- 4060. 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 2001.
- 4064. 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.
- 4070. 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 1011.
- 4072. COLONIAL LATIN AMERICA. 3 cr.** Discovery, exploration, and settlement; Spanish and Portuguese colonial systems; political, economic, and social development including the wars of independence.
- 4073. MODERN LATIN AMERICA. 3 cr.** The Latin American states from independence to the present; internal problems and progress; international relations.
- 4074. 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 1011.
- 4075. 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 1011.
- 4076. 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 1011.
- 4077. 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 1011.
- 4078. 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 1011.
- 4088. 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 1012.
- 4090. 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.
- 4092. AMERICAN HISTORY. 1-3 cr. each.** Directed study and/or research in selected areas of history. Prerequisite: Advanced standing and approval of department head. (Formerly HIST 491A)
- 4094. EUROPEAN HISTORY. 1-3 cr. each.** Directed study and/or research in selected areas of history. Prerequisite: Advanced standing and approval of department head. (Formerly HIST 491B)
- 4096. LATIN AMERICAN HISTORY. 1-3 cr. each.** Directed study and/or research in selected areas of history. Prerequisite: Advanced standing and approval of department head. (Formerly HIST 491C)

## HONORS (HONR)

- 1001. HONORS COLLOQUIUM. 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.
- 3001. HONORS SOCIAL SCIENCE. 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.)
- 4010. HONORS SEMINAR. 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.
- 4015. HONORS PROJECT. 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.

## HORTICULTURE (HORT)

Required for a Horticulture minor: 20 semester hours of Horticulture courses.

### For Undergraduates Only

- 3023. 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 1001 or 1003.
- 3050. 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 1001 or 1003.

- 3062. 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 1001 or 1003.
- 4012. 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 1001 or 1003.
- 4072. PLANTSCAPES. 4 cr.** The principles, techniques, and concepts used in interior and exterior landscapes. Three hours lecture and two hours laboratory. Prerequisite: AGRI 1001 or 1003.

#### For Undergraduates and Graduates

- 4001. 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

- 1001. 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 1001 and History 1001. Class meets 6 hours per week.
- 1002. 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 1002 and History 1002. Class meets 6 hours per week. Prerequisite: 1001.
- 1003. INTERDISCIPLINARY ARTS ABROAD. 6 cr. Maximum 12 cr.** An interdisciplinary study of fine arts and culture with study and travel abroad. Prerequisite: approval of instructors
- 1011. FINE ARTS APPRECIATION: LOCAL. 1 cr. Maximum, 3 cr.** Credit is given for attendance of selected cultural attractions. (Formerly HUMN 110A)
- 1012. FINE ARTS APPRECIATION: NEW YORK. 1 cr. Maximum, 3 cr.** Credit is given for attendance of selected cultural attractions. (Formerly HUMN 110B)
- 1013. FINE ARTS APPRECIATION: BRITAIN. 1 cr. Maximum, 3 cr.** Credit is given for attendance of selected cultural attractions. (Formerly HUMN 110C)
- 1014. FINE ARTS APPRECIATION: THE CONTINENT. 1 cr. Maximum, 3 cr.** Credit is given for attendance of selected cultural attractions. (Formerly HUMN 110D)

#### For Undergraduates and Graduates

- 4001. 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: Economics 3001, Economics 3011, Finance 4001, Insurance 2005, 3007, 3008, 3020, 4008, 4010 and either Construction 1001, Management 3005, Marketing 3005 or Marketing 4003. - Total of 30 semester hours.

Required for a minor in Insurance: Economics 3011, Insurance 2005, 3007, 3008, 3020, and 4008 - Total of 18 semester hours.

#### For Undergraduates Only

- 2005. 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
- 3007. 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 2005 or permission of department head. Sp
- 3008. 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 2005 or permission of department head.
- 3009. 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 2005 or permission of department head. F
- 3011. 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 2005 or permission of department head.
- 3019. 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 3019). Prerequisite: INSU 2005; Junior standing or permission of department head. Sp
- 3020. INSURANCE OPERATIONS. 3 cr.** Operations of an insurance company including regulation, underwriting, claims, ratemaking, and the financial accounting process and global strategies of an insurance organization. Prerequisite: 2005.
- 4008. 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 2005 or permission of department head.
- 4010. INSURANCE INTERNSHIP. 3 cr.** Planned and supervised work experience within the fields of risk management and insurance. Open only to juniors and seniors in Risk Management and Insurance program with approval of director. Prerequisite: INSU 2005.
- 4023. 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 2005 or 3007 or 3009 or 3011 or permission of instructor. Sp, even
- 4091. DIRECTED STUDY. 1-3 cr.** Individual study of Insurance. Prerequisite: approval of department head. F, Sp, Sum

## INTERDISCIPLINARY MINORS

### ARABIC STUDIES

12 hours of Arabic plus three additional courses to be chosen from the following: Literature in Translation (FORL 3094), Arabic Civilization (ARAB 3007). History of Islam (HIST 3009), International Politics (POLS 4053) and Global Development (POLS 4065). 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 3093, 3094; History 4075, 4076; Philosophy 4001, 4003; Theatre 4015; Latin 2008, 3003, 3008, 4001, 4008, 4018.

### FINE ARTS

Required for a minor: Art 2001, 2002, 6 core hours from Theatre, 6 core hours from Music, and 3 additional hours — all chosen from the courses listed below: Theatre 4007, 4015, 4016; Music 1070, 1093, 4091, 4092; Art 4026, 4029, 4095; Dance 4024. Students may not use Art 1009 or Music 1091 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 2010, 3001, 3007, 3008, 3012, 3013, 3014, 4002, 4005, 4015; French 3002, 4003, 4004, 4015; English 4010, 4016, 4026; Communication Studies 3004; German 3009, 4009, 4019.

GROUP II—Sociology 1002, 2007, 4030, 4042, 4044; Geography 4005, 4007, 4009, 4012, 4015; Political Science 4040, 4041, 4050, 4053, 4057, 4061, 4063, 4065; History 3009, 3012, 4072, 4073, 4080, 4081, 4087, 4088, 4092, 4093, 4094; Religion 30102; Philosophy 3020, 3021.

GROUP III—Music 4094; Art 4026, 4060, 4061, 4062; Theatre 4043, 4044.

GROUP IV—Economics 3013, 3015; Marketing 4001; Finance 4004.

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 3001, 3012, 3014, 4002, 4007; Sociology 2007, 4022, 4030; Geography 4003, 4021; Political Science 4041, 4063; History 4072, 4073.

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 4010; English 2016, 4027; Geography 2003; History 3005, 3010, 4060, 4063; Political Science 4014; Music 1092.

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 2052, 4027; Political Science 4014, 4029; Communication Studies 3025, 3041; Sociology 4019, 4024, 4035, 4095; Nursing 4048.

Total of 18 semester hours.

## ITALIAN (ITAL)

### 1005-1006. 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)

**1001. ELEMENTARY JAPANESE I. 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.

**1002. ELEMENTARY JAPANESE II. 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)

### Undergraduate Requirements

Required for a major in Kinesiology, all concentrations: Kinesiology 2001, 2011, 2041, 3012, 3021, 3065, 4008, 4011, 4032, 4037; and 44-47 semester hours of specific concentration courses.

Required for a major in Kinesiology with a concentration in Health and Physical Education Certification: PSYC 2003, PSYC 2005; DANC 3001; ENGL 2005; HIST 1011; HIST 2001 or 2002; PSYC 3001; CURR 2085, CURR 3086; KINS 2002, KINS 3006, KINS 3019, KINS 3033, KINS 3034, KINS 3035, KINS 3055, KINS 4003, KINS 4017, KINS 4031, KINS 4046; CURR 3076, CURR 4084, CURR 4056; READ 4019. — Total of 46 semester hours.

Required for a major in Kinesiology with a concentration in Exercise Science: KINS 3018; KINS 4002; KINS 4010 or 4041 or 4044; KINS 4035; CHEM 1002, 1003, 1004; 6-hour sequence of approved science electives; FCSC 2007 or NURS 2080 or MGMT 3001 or MGMT 3005 or CMST 2001 or ENGL 3021 or AHSC 2000. — Total of 43 semester hours.

Required for a major in Kinesiology with a concentration in Exercise Science/Pre-Physical Therapy: KINS 3018, KINS 4002, KINS 4010 or 4041 or 4043, KINS 4034, KINS 4035; CHEM 1008, CHEM 1009, CHEM 1010; PHYS 2003, PHYS 2004, PHYS 2009, PHYS 2010; BIOL 2014; AHSC 2000; BIOL 1014, BIOL 1015, BIOL 1016, BIOL 1017; CMST 2001 or ENGL 3021 or PSYC 4039 - Total of 44 semester hours. Students intending to pursue entry into a physical therapy program will be required to take additional hours and make substitutions as recommended by their academic advisor.

Required for a major in Kinesiology with a concentration in Fitness and Sports Industry: KINS 2002, KINS 3018, KINS 3019, KINS 3035 or 3055, KINS 4019, KINS 4035, and 18 hours of electives to be chosen from the following: MGMT 3001, MGMT 3005, BUSN 1001, BUSN 3005, ACCT 1001, ACCT 2012, ACCT 2013, MRKT 3001, MRKT 3007, MRKT 4007, MCOM 2001, MCOM 2002, ECON 1003, ECON 2001, ENGL 3021 or CMST 2001 - Total of 42 semester hours.

#### For Undergraduates Only

#### ACTIVITY COURSES CO-EDUCATIONAL

Activity courses meet two hours per week and may be repeated for a maximum of two credit hours.

- 1002. AEROBIC FITNESS. 1 cr.** Fitness activities that improve cardiorespiratory endurance, flexibility, body composition, muscular strength and endurance.
- 1005. BADMINTON I. 1 cr.** Skills, techniques, and knowledges of beginning badminton.
- 1006. TENNIS I. 1 cr.** Skills, techniques, and knowledges of beginning tennis.
- 1008. SOCCER. 1 cr.** Skills, techniques, and knowledges of beginning soccer.
- 1009. GOLF I. 1 cr.** Skills, techniques, and knowledges of beginning golf.
- 1016. WATER AEROBICS. 1 cr.** Water activities that improve cardiorespiratory endurance, flexibility, body composition, muscular strength and endurance.
- 1019. WEIGHT TRAINING I. 1 cr.** Skills, techniques, and knowledge of beginning weight training.
- 1042. SWIMMING I. 1 cr.** Skills, techniques, and knowledges of beginning swimming.
- 1045. BASKETBALL. 1 cr.** Skills, techniques, knowledges of beginning basketball.
- 1053. SELF DEFENSE I. 1 cr.** Skills, techniques, and knowledges of beginning self defense.
- 1061. WEIGHT TRAINING I. 1 cr.** Skills, techniques, and knowledge of beginning weight training.
- 2011. INTRODUCTION TO KINESIOLOGY. 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 Kinesiology majors only.
- 2020. LIFEGUARD TRAINING. 3 cr.** Designed to train and certify an individual to serve as a non-surf lifeguard and as an aquatic facility manager.
- 2021. 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.
- 2033. WATER SAFETY INSTRUCTION. 3 cr.** Qualifies individuals to teach and certify American Red Cross Aquatic courses. Prerequisite: KINS 2020.
- 2041. PERSONAL AND COMMUNITY HEALTH. 3 cr.** An orientation course in health which deals with nutrition, stress, exercise, diseases and their prevention.
- 2053. SELF DEFENSE II. 1 cr.** Continued instruction and practice in the various aspects of self defense.
- 3005. 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 2011. Kinesiology majors only.
- 3006. 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 2011.
- 3008. FITNESS AND SPORT FACILITY MANAGEMENT. 3 cr.** This course is designed to provide learning experiences in the administrative tasks of planning new facilities, renovating and maintaining existing sport and fitness facilities. An understanding in facilities, their design, and management will be gained through field trips, speakers, and standard classroom material. Prerequisite: KINS 2011.
- 3012. EXERCISE SCIENCE PHYSIOLOGY I. 3 cr.** Acute and chronic physiological changes in response to exercise. Emphasis on the practical application of exercise training for health, fitness and performance. Focus will be directed toward energy for physical activity, energy delivery, utilization and enhancement of energy capacity.
- 3018. 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 2011. Kinesiology majors only.
- 3019. 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 2011. Kinesiology majors only.
- 3021. SAFETY EDUCATION 3 cr.** Enhances the understanding of safety and delivery of age-appropriate safety education. Prerequisite: KINS 2041.
- 3022. SEXUALITY EDUCATION. 3 cr.** Enhances the understanding of human sexuality and delivery of age-appropriate sexuality education. Prerequisite: KINS 2041.
- 3025. 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.

#### For Undergraduates Only

- 2001. 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.
- 2002. 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 2011.

- 3033. ACTIVITIES FOR ELEMENTARY SCHOOL. 3 cr.** Materials, techniques and methods of teaching physical education in elementary schools. Sophomore level and above.
- 3034. 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.
- 3035. TEAM SPORTS. 2 cr.** Basic skills, strategies, rules, and teaching procedures of selected team sports. Prerequisite: Kinesiology majors only.
- 3055. LIFETIME SPORTS. 2 cr.** Basic skills, rules, strategies, and teaching procedures of selected individual lifetime sports. Prerequisite: Kinesiology majors only.
- 3065. 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 2011, KINS 2021. Kinesiology majors only.
- 4002. 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 3018. KINS majors only.
- 4003. 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.
- 4006. 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 3025 and junior standing.
- 4008. 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.
- 4010. EXERCISE IN HEALTH AND DISEASE. 3 cr.** Examine the role of physical activity in the prevention of chronic disease. Increased prevalence of disease and decreased physical activity will be examined.
- 4011. ATHLETIC INJURIES. 3 cr.** The prevention and emergency care of athletic injuries. Prerequisites: KINS 2011 and junior standing. Kinesiology majors only.
- 4017. SCHOOL HEALTH PROBLEMS. 3 cr.** School health problems and current programs of prevention and protection against disease. Prerequisite: junior standing. Education majors only.
- 4019. 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.
- 4027. 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.
- 4031. 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.
- 4032. 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 2011. KINS majors only.
- 4034. PROFESSIONAL DEVELOPMENT IN KINESIOLOGY. 1 cr.** This course is designed as a pre-internship experience that will provide undergraduate Kinesiology students with the key training needed to engage in the professional activities that are central to a successful career in the fields of kinesiology-related fields. Although issues of substantive, exercise, fitness, sport, and/or wellness importance naturally will be addressed, the primary focus will be on the strategies and skills that are needed to translate one's substantive knowledge into a successful career - one that advances both the individual's goals and the general community goals of improved health, decreased disease, and the reduction of health disparity. As this description indicates, this course is most appropriate for undergraduate students who will be pursuing careers that emphasize their preparation in kinesiology-related fields. Prerequisite: junior standing and KINS 2011. Kinesiology majors only.
- 4035. 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).
- 4037. 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 4038.
- 4041. WORKSITE HEALTH PROMOTION. 3 cr.** This course is designed to develop knowledge and awareness of the major issues in the field of worksite health promoting 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 2011, 2041 and junior standing.
- 4043. EPIDEMIOLOGY FOR THE COMMUNITY HEALTH EDUCATOR. 3 cr.** Introduction to community health education/promotion epidemiology. Prerequisite: KINS 2041.
- 4044. HEALTH EDUCATION AND PROMOTION PLANNING. 3 cr.** This course will enhance student understanding of community health planning. Prerequisite: KINS 2041.
- 4045. CONTROVERSIAL ISSUES IN HEALTH. 3 cr.** Enhances student ability to research and debate controversial issues in health. Prerequisite: KINS 3022.
- 4046. HEALTH EDUCATION/PROMOTION FOR MULTICULTURAL POPULATIONS. 3 cr.** Enhances student ability to deliver health education to multicultural populations. Prerequisite: KINS 3021.
- 4047. 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 4041.

**For Undergraduates and Graduates**

- 4042. 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.

**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 4075, 4076, Literature in Translation 3094, Mythology 3003 or 3093, English 3094; Philosophy 4001, 4003; Theatre 4015 and/or additional Latin courses.

Courses 2008, 3008, 4008, and 4018 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.

- 1001. ELEMENTARY LATIN I. 3 cr.** Cultural readings accompanied by the basics of grammar. Work in the computerized Language Learning Center is required.
- 1002. ELEMENTARY LATIN II. 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 1001 or approval of department head.
- 1005. ELEMENTARY LATIN. 6 cr.** Cultural readings accompanied by the basics of grammar. (Same as 1001-1002.)
- 1097, 1098, 1099. INTERMEDIATE LATIN. 1 cr. each.** Independent study of literary and cultural readings in Latin. Prerequisite: LATN 1002 or 1005 or permission of department head.
- 2001. INTERMEDIATE LATIN I. 3 cr.** Cultural readings accompanied by analysis of grammatical content. Prerequisite: LATN 1002 or approval of department head.
- 2002. INTERMEDIATE LATIN II. 3 cr.** Selections from Caesar, Catullus and Cicero. Prerequisite: LATN 201 or approval of department head.
- 2003. CLASSICAL STUDIES. 3 cr.** Topics in Roman civilization, culture, language, literature, and religion. Prerequisite: LATN 102 or permission of the department head.
- 2008. LITERATURE OF THE LATE REPUBLIC. 1-3 cr. Maximum, 3 cr.** Prerequisite: LATN 2002 or approval of department head.
- 3003. 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 3093).
- 3008. LITERATURE OF THE GOLDEN AGE. 1-3 cr. Maximum, 3 cr.** Prerequisite: LATN 2002 or approval of the department head.
- 4008. LITERATURE OF THE SILVER AGE. 1-3 cr. Maximum, 3 cr.** Prerequisite: LATN 2002 or approval of department head.
- 4018. MEDIEVAL LATIN. 1-3 cr. Maximum, 3 cr.** Prerequisite: LATN 202 or approval of department head.

#### For Undergraduates and Graduates

- 4001. ADVANCED READINGS IN LATIN. 3 cr., maximum 6.** Study in Latin of a specific author or literary genre. Prerequisite: LATN 2002 or equivalent.

## LIBRARY SCIENCE (LIBR)

#### For Undergraduates Only

Required for School Library Media Certification: 3001, 3003, 3007, 4001, 4005, 4052 and Ed.F. 4026 — Total of 21 semester hours.

- 3001. 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.
- 3003. 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.

- 3007. 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.

- 4052. 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: 3001, 3003, 3007, 4001, 4005, or consent of instructor. Must be admitted to Teacher Education.

#### For Undergraduates and Graduates

- 4001. 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: junior level or consent of instructor.
- 4005. ORGANIZATION OF LIBRARY MATERIALS. 3 cr.** Basic principles of cataloging and classifying library materials. Includes clinical experiences. Prerequisite: junior level or consent of instructor.

## LINGUISTICS (LING)

#### For Undergraduates and Graduates

- 4051. 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: 3005, 3007, 3009, 4014; Entrepreneurship 4033; nine hours of Management electives and six hours of Marketing electives — Total of 30 semester hours. Required for a minor in Management: 3001, 3005, 3007, 3009; six hours of Management electives—Total of 18 semester hours.

#### For Undergraduates Only

- 2003. SUPERVISION. 3 cr.** Examines the role of the supervisor and position's relations with subordinates, colleagues, superiors, unions, and society. Explores the managerial aspects of the first -line supervisor regardless of technical specialty or type of business.
- 3001. MANAGEMENT CONCEPTS AND PRACTICE. 3 cr.** Surveys the administrative and behavioral processes fundamental to successfully operating various types of enterprises. Focus on the management functions of planning, organizing, leading and controlling in organizations, and how management functions are impacted by domestic and global environmental factors. Prerequisite: junior standing. F, Sp, Sum
- 3005. ORGANIZATIONAL BEHAVIOR. 3 cr.** Examines individual, group, and organizational structure influences on behavior within organizations, and the implications for organizational effectiveness. Includes decision making, business ethics, job-related attitudes, personality and values, perception, motivation, leadership, communications, power and politics, conflict, organizational structure and culture topics. Prerequisite: junior standing. F, Sp, Sum

- 3006. MANAGEMENT IN THE HOSPITALITY INDUSTRY. 3 cr.** Examines the management functions within and applied to the hospitality and tourism industries. Covers food services, lodging, tourism, ecotourism, and travel in domestic and international marketplaces. Prerequisite: junior standing
- 3007. HUMAN RESOURCE MANAGEMENT. 3 cr.** Examines organizational human resource management issues such as manpower planning, recruitment, selection, appraisal, compensation, transfer and promotion, safety; and other personnel topics. Prerequisite: 3001 or 3005 or approval of management program coordinator. F, Sum
- 3008. COMPENSATION AND BENEFITS. 3 cr.** Provides an in-depth overview of compensation and benefits administration in public and private organizations. Focuses on factors impacting compensation and benefit issues including corporate policy, job analysis and job evaluation. Prerequisite: MGMT 3001 or 3005 or consent of management program coordinator. F
- 3009. OPERATIONS MANAGEMENT. 3 cr.** Examines the production function and its applicability to business operations and scientific decision processes. Includes forecasting and scheduling, and project, quality, capacity, and inventory management. . Prerequisites: 3001 or 3005; MATH 1016; or consent of management program coordinator. F, Sp, Sum
- 3015. STAFFING. 3 cr.** Examines various recruiting and selection systems including personnel planning, recruitment, selection, and placement practices with emphasis on laws and regulations influencing the staffing function. Prerequisite: MGMT 3001 or 3005 or consent of management program coordinator. F
- 3020. HUMAN RESOURCES DEVELOPMENT. 3 cr.** Studies effective training and development systems, strategies and processes at the organizational and an individual level. Studies methods and media used in identifying, assessing, addressing, and monitoring Human Resource Development (HRD) needs. Prerequisite: MGMT 3001 or 3005 or consent of management program coordinator.
- 4002. INTERNATIONAL BUSINESS MANAGEMENT. 3 cr.** Explores the functions of management that are affected by global socio-cultural, economic, legal, and political environments. Examines how the functions of management may need to be adapted for the global cultural, economic, legal, and political environments. Emphasizes global organizational dynamics and strategy. Prerequisite: MGMT 3001 or 3005 or consent of the management program coordinator. F
- 4009. STRATEGIC MANAGEMENT. 3 cr.** Examines business policy and strategy formulation, implementation, and control from an overall management perspective. Requires strategy recommendations based on an integrative analysis of an organization's resources, capabilities and competencies, as well as external forces, trends, and influences that shape competition. Prerequisites: Business Law 4001, Computer Science 1070, Finance 3015, Management 3001, Marketing 3001, Business 3005, Quantitative Methods 2010, and senior standing in the College of Business Administration. F, Sp, Sum
- 4010. SEMINAR IN HUMAN RESOURCE MANAGEMENT. 3 cr.** Provides in-depth study of contemporary personnel and human resources problems in areas such as staffing, compensation and benefits, human resources development, health and safety, and employee and relations. Prerequisite: MGMT 3001 or 3005 or consent of management program coordinator. Sp
- 4013. SUPPLY CHAIN MANAGEMENT. 3 cr.** Examines the integration and coordination of activities, such as purchasing, outsourcing, materials management, logistics, supplier selection, and global sourcing to create an efficient and effective flow of materials. Prerequisite: MGMT 3001 or MRKT 3001 or consent of management program coordinator. S, F
- 4081. 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

**For Undergraduates and Graduates**

- 4014. QUALITY MANAGEMENT. 3 cr.** Examines the design of products and services using control processes for continuous and total quality improvement. Explores services and manufacturing industries and a variety of methods and procedures for quality analysis and improvement. Addresses analytical methods for maintaining quality. Prerequisite: MGMT 3009 or consent of management program coordinator. Sp

**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**

- 2001. 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.
- 2002. 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**

- 4002. WETLAND VEGETATION. 3 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.
- 4011. 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 1020, 1021; 3030 or 3032; CHEM 1007, 1009; permission of instructor. Four weeks. LUMCON Summer course; alternating years.
- 4021. 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.

- 4051. 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 3030; MNSC 4010; or permission of instructor. Three weeks. LUMCON Summer course; alternating years.
- 4056. 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.
- 4061. COASTAL FIELD GEOLOGY. 3 cr.** Sedimentary environments, coastal processes, and environmental geological problems of the Mississippi delta plain. Prerequisites: GEOL 1001, 1002, 1003, 1004; permission of instructor. Three weeks. LUMCON Summer course; alternating years.
- 4071. 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.
- 4091. 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: 3002, 3005, 3008, 3011, 4003, 4006, 4009; Marketing 4010 or 4011; three hours of Marketing electives from Marketing 3004, 3007, 4001, 4010, 4011 or 4092; Management 4013—Total of 30 semester hours.

Required for a minor in Marketing: 3001, 3002, 3008, 4009; six hours of Marketing electives — Total of 18 semester hours.

### For Undergraduates Only

- 3001. 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
- 3002. 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 3001. F, Sum
- 3004. 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 3001. Sp
- 3005. 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 3001. F, Sp, Sum
- 3007. 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 3001. Sp
- 3008. MARKETING RESEARCH. 3 cr.** Modern marketing research techniques and their application by management to problems involving marketing strategy development, implementation, and control. Prerequisites: 3001; six hours of Marketing electives; MATH 1016 or consent of instructor. F
- 3011. ADVERTISING AND SALES PROMOTION. 3 cr.** The non-personal promotion strategies of modern business. Consideration of budgets, media, messages, and timing of advertising effort. Prerequisite: MRKT 3001. F, Sp (Formerly MRKT 407)
- 3030. 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 3053)
- 4001. 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 3001. F
- 4003. SERVICES MARKETING. 3 cr.** Study of the special characteristics of service enterprises and the development of marketing strategies for such organizations. Prerequisites: MRKT 3001. Sp, Sum
- 4006. 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 3001. F
- 4009. 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 3001. Sp, Sum
- 4010. 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 3001 and MRKT 3005. Sp
- 4011. 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 3001 and MRKT 3011. F
- 4012. DIGITAL MARKETING. 3 cr.** A study of digital marketing and its role in e-commerce and marketing communications. Topics include social networks, blogs, branding, online advertising, and e-commerce. Prerequisite: 3001.
- 4092. TOPICS IN MARKETING. 3 cr.** Specialized study of topics in Marketing. Content varies. Prerequisite: MRKT 3001

## MARRIAGE AND FAMILY THERAPY (MAFT)

### For Undergraduates Only

- 2010. DATING, MARRIAGE AND FAMILY RELATIONSHIPS. 3 cr.** The course will provide an interactional approach to the area of interpersonal relationships found in courtship, marriage and family.
- 2050. SKILLS FOR MARRIAGE AND COUPLES. 3 cr.** Designed to provide students with information and skills to support enduring and satisfying marriage and couples relationships.

**3010. FOUNDATIONS OF MARRIAGE AND FAMILY THERAPY. 3 cr.** This course is designed to provide students with an understanding of marital and family interaction processes—the patterns and dynamics of interactions with couples and families. We will examine the challenges that people confront to achieve effective relationships.

## MASS COMMUNICATIONS (MCOM)

Required for a major in Mass Communications: MCOM 2001; 2010; 3011, 3012, 4011, or 4012; 3030, 3041, or 3060; six hours from 3050, 3051, 3052, 3054, 3055, or 4033; 3070; 3090; 4035, 4065, or 4082; 4081; COMM 4090; twelve hours of Mass Communications electives, at least six hours of which must be at the 4000 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 2001; 2010; 3030, 3041 or 3060; 3050, 3051, 3052, 3054, or 3055; 3070; 4081 - Total of 18 semester hours.

Mass Communications majors and minors must participate in co-curricular activities within the Mass Communications program.

### For Undergraduates Only

- 1001. 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.
- 2001. 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.
- 2002. 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.
- 2010. 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 1002.
- 3011. FEATURE WRITING. 3 cr.** Preparation of human interest and feature articles for newspapers and magazines. Prerequisite: MCOM 2010 or consent of department head.
- 3012. 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 2010.
- 3030. JOURNALISM I. 3 cr.** Concepts, theories, and practices of writing news for print and broadcast media, including news judgment, use of sources, organizing information, and copy editing. Introduction to news reporting for print and broadcast. Prerequisites: MCOM 2010, ENGL 1002, passing grade on departmental grammar exam.
- 3031. JOURNALISM II. 3 cr.** Builds upon MCOM 3030 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 3030.
- 3041. 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.
- 3050. 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.
- 3051. 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.
- 3052. 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.
- 3054. ELECTRONIC MEDIA DESIGN. 3 cr.** Graphics, typography, layout, design and related creative techniques for a variety of mass communications applications. Prerequisite: sophomore standing.
- 3055. 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 3054 or permission of instructor.
- 3060. 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.
- 3061. 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 2010 and 3060.
- 3070. 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 1011 or higher; junior standing.
- 3090. 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.
- 4001. MASS COMMUNICATIONS SEMINAR (non-repeatable) 3 cr.** Scholarly approaches to contemporary topics in mass communications. Content varies. Prerequisite: junior standing.
- 4011. 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 2010 or consent of department head.
- 4040. 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.
- 4045. 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.
- 4082. 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 4081.
- 4091. 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

- 4012. 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 2010 or consent of department head.
- 4032. 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 3031.
- 4033. 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 3031.
- 4035. 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.
- 4051. 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 3051.
- 4052. 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 3052.
- 4054. 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 3054.
- 4060. 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 3061 and credit for or concurrent registration in MCOM 3070.
- 4071. 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.
- 4072. 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.
- 4081. 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.

## MATHEMATICS (MATH)

## Undergraduate Requirements

Required for a major: 1031, 1032, 2002, 2032, 2040, 3086, two additional courses numbered 3000 and above, and two additional 4000 level courses, for a total of 33 semester hours.

Required for a concentration (Mathematics Education): 1013, 1031, 1032, 2002, 2032, 2040, 3003, 3007, 3086, and one hour of mathematics elective. Total of 31 semester hours. (See specific degree plan in the College of Arts and Sciences section).

Required for a minor: 1031, 1032, 2002, 2040, plus 2 courses numbered 3000 or above for a total of 20 semester hours.

Required for a minor (Mathematics Education): 1013, 1031, 1032, 2002, 2032, 3007. 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 0093 with a "C" or better before enrolling in any Mathematics course numbered 1000 or above.

Because of substantial overlap in content:

Only one course from the following list may be taken for credit toward graduation: MATH 1012, and MATH 1013; Only one course from the following list may be taken for credit toward graduation: MATH 1014 and MATH 1031.

- 0093. 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 19.
- 1011. 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 19 or higher or successful completion of MATH 0093.
- 1012. TRIGONOMETRY. 3 cr.** Trigonometric functions, trigonometric identities and equations, logarithms, vectors, complex numbers. Prerequisite: A grade of "C" or better in MATH 1011.
- 1013. 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: "C" or better in Math 1011 or Math ACT score of 23 or higher.
- 1014. 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 1011.
- 1016. 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 1011, 1013 or 1014.
- 1018. 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 1011, 1013, or 1014.

- 1031. CALCULUS I. 4 cr.** Functions, limits and continuity, derivatives, applications of the derivative, the integral, conic sections. Prerequisite: A grade of "C" or better in MATH 1013 or permission of instructor.
- 1032. CALCULUS II. 4 cr.** Inverse functions, techniques of integration, applications of the integral, sequences and series. Prerequisite: A grade of "C" or better in MATH 1031.
- 2002. 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 1031 or 1014. Sp
- 2032. CALCULUS III. 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 1032. Sp
- 2040. 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 1031. F
- 2050. NUMERICAL FOUNDATIONS FOR TEACHERS. 3 cr.** Students will discuss problem solving strategies, and investigate elementary number theory, arithmetic operations and algorithms. Emphasis is placed on applying the processes of problem solving, reasoning, connections, communications, and representation by combining discussion, modeling, manipulatives, cooperative learning and technology. For Elementary Education majors only. Prerequisite: A grade of "C" or better in MATH 1011.
- 2055. MATHEMATICAL AND STATISTICAL FOUNDATIONS FOR ELEMENTARY TEACHERS. 3 cr.** Students will analyze patterns, functions, algebraic underpinnings, and statistics. Emphasis is placed in the processes of problem solving, reasoning and proof, describing and analyzing data, probability explorations, and connections, communications and representation by combining discussion, modeling, manipulatives, cooperative learning and technology. For Elementary Education majors only. Prerequisite: A grade of "C" or better in MATH 2050. (Students may not receive credit for MATH 2055 if they have credit in MATH 2052).
- 3001. 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 1032. F
- 3003. 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 1031.
- 3007. 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 2040. Sp
- 3050. GEOMETRY AND MEASUREMENT FOR ELEMENTARY TEACHERS. 3 cr.** Students will analyze Euclidian geometry and measurement among and between the English and metric systems. Emphasis is placed on applying the processes of problem solving, reasoning, and proof, connections, communications, and representation by combining discussion, modeling, manipulatives, cooperative learning and technology. For Elementary Education majors only. Prerequisite: A grade of "C" or better in MATH 2055.
- 3073. NUMERICAL METHODS. 3 cr.** Numerical algorithms fundamental to scientific work including discussion or error. Prerequisite: CSCI 2003, a grade of "C" or better in MATH 2002, and MATH 1032. (Dual listed as CSCI 3073).
- 3080. 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 1032, MATH 2040.
- 3086. 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 2002 and MATH 2040.
- 4007. HISTORY OF MATHEMATICS. 3 cr.** 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 2040 and either MATH 3080 or MATH 3086.
- 4009. 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 2040 or permission of the instructor.
- 4011. 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.
- 4012. 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.
- 4017. 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 3080.
- 4020. 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 1014 or MATH 1031 or permission of the department head and junior standing or above. (Same as Computer Science 4020).
- 4021. 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 4020 or CSCI 4020 and junior standing or above. (Same as Computer Science 4021).
- 4031. 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.
- 4032. 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.
- 4042. MATHEMATICAL MODELS. 3 cr.** University capstone course. Development and analysis of mathematical models for physical, biological, and social science. Prerequisites: MATH 3001, 3003 or approval by department head.

**For Undergraduates and Graduates**

- 4001. 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 3001.

- 4002. 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 2002, 1032.
- 4003-4004. 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 3003.
- 4005. PARTIAL DIFFERENTIAL EQUATIONS. 3 cr.** Fourier series, boundary value problems, partial differential equations, special functions, with an emphasis on applications. Prerequisite: MATH 3001.
- 4006. 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 2032.
- 4019. TOPOLOGY. 3 cr.** Point sets, axiomatic bases, topology of the line and the plane. Emphasis on connectedness, compact sets and continuous transformations. Prerequisite: MATH 2040 and 1032.
- 4025. 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 3086.
- 4094. RESEARCH: ALGEBRA. 1-3 cr.** Maximum, 6 cr. Research. Open to advanced undergraduates who are capable of developing a problem independently. Prerequisite: approval of department head. (Formerly MATH 498A)
- 4095. RESEARCH: ANALYSIS. 1-3 cr.** Maximum, 6 cr. Research. Open to advanced undergraduates who are capable of developing a problem independently. Prerequisite: approval of department head. (Formerly MATH 498B)
- 4096. RESEARCH: TOPOLOGY. 1-3 cr.** Maximum, 6 cr. Research. Open to advanced undergraduates who are capable of developing a problem independently. Prerequisite: approval of department head. (Formerly MATH 498C)
- 4097. RESEARCH: STATISTICS. 1-3 cr.** Maximum, 6 cr. Research. Open to advanced undergraduates who are capable of developing a problem independently. Prerequisite: approval of department head. (Formerly MATH 498D)

## MEDICAL LABORATORY SCIENCE (MLSC)

Required for a major: 2001, 3001, 3020, 3021, 3022, 3024, 3025, 3026, 3027, 3028, 3030, 3040, 4001, 4011, 4012, 4022, 4023, 4032, 4033, 4043, 4052, 4053

### For Undergraduate Only

- 1001. PRINCIPLES OF MEDICAL LABORATORY SCIENCE. 2 cr.** Orientation to the profession of medical laboratory science, the hospital internship, and the many phases of laboratory science encountered in the medical laboratory.
- 1012. 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.

- 2001. MEDICAL LABORATORY PRINCIPLES AND METHODS. 1 cr.** A laboratory course to instruct students in the principles of medical laboratory science and basic laboratory techniques including proper use of the medical microscope, pipetting techniques, blood and microscopic slide preparation, use of the spectrophotometer, safety and infection control techniques, proper use of personal protective equipment, venipuncture, hematocrit, and proper identification of cells and microorganisms with the microscope. Sp, F
- 3001. 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. Prerequisite: MLSC majors only. F
- 3020. 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: MLSC majors only. F
- 3021. HEMATOLOGY LABORATORY. 1 cr.** A laboratory course to accompany 3020 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: MLSC majors only. F
- 3022. 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: MLSC majors only. F
- 3023. SEROLOGY LABORATORY. 1 cr.** A laboratory course to accompany 3022 to include representative tests of all types of serological testing performed in the medical laboratory. Three hours laboratory. Prerequisite: MLSC majors only
- 3024. 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: MLSC majors only
- 3025. CLINICAL CHEMISTRY AND TOXICOLOGY LABORATORY. 1 cr.** A laboratory course to accompany 3024 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: MLSC majors only. Sp
- 3026. 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: MLSC majors only. Sp
- 3027. 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: MLSC majors only. Sp
- 3028. TECHNICAL PROCEDURES IN BLOOD BANKING. 1 cr.** A laboratory course to accompany 3027, giving practical experience in pretransfusion compatibility testing and basic antibody identification and an introduction to donor screening and component preparation. Three hours laboratory. Prerequisite: MLSC majors only. Sp
- 3030. MEDICAL MICROBIOLOGY I. 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. Prerequisite: MLSC majors only. Sp

- 3040. MEDICAL 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 medical laboratory are discussed. Prerequisite: MLSC majors only. F, Sp
- 3041. URINALYSIS. 1-6 cr.** Individual investigation of selected problems in Urinalysis. Prerequisites: approval of the program director. F, Sp, Sum
- 3042. HEMATOLOGY. 1-6 cr.** Individual investigation of selected problems in Hematology. Prerequisites: approval of the program director. F, Sp, Sum
- 3043. IMMUNOLOGY. 1-6 cr.** Individual investigation of selected problems in Immunology. Prerequisites: approval of the program director. F, Sp, Sum
- 3044. BLOOD BANKING. 1-6 cr.** Individual investigation of selected problems in Blood Banking. Prerequisites: approval of the program director. F, Sp, Sum
- 3045. SEROLOGY. 1-6 cr.** Individual investigation of selected problems in Serology. Prerequisites: approval of the program director. F, Sp, Sum
- 3046. CLINICAL CHEMISTRY. 1-6 cr.** Individual investigation of selected problems in Clinical Chemistry. Prerequisites: approval of the program director. F, Sp, Sum
- 3047. TOXICOLOGY. 1-6 cr.** Individual investigation of selected problems in Toxicology. Prerequisites: approval of the program director. F, Sp, Sum
- 3048. OTHER PROBLEMS IN MLSC. 1-6 cr.** Individual investigation of selected problems. Prerequisites: approval of the program director. F, Sp, Sum
- 3049. PARASITOLOGY. 1-6 cr.** Individual investigation of selected problems in Parasitology. Prerequisites: approval of the program director. F, Sp, Sum
- 3050. MEDICAL LABORATORY MANAGEMENT. 1-6 cr.** Individual investigation of selected problems in Medical Laboratory Management. Prerequisites: approval of the program director. F, Sp, Sum
- 4001. ADVANCED LABORATORY METHODS. 1 cr.** Practical instruction and laboratory practice in the performance of laboratory techniques used in automation, quality control, flow cytometry, and molecular methods. Prerequisite: MLSC majors only. Sp
- 4011. PHLEBOTOMY-PRACTICUM. 2 cr.** Practical instruction and laboratory practice in the performance of phlebotomy procedures in the medical laboratory setting. Prerequisite: MLSC majors only. F, Sp
- 4012. URINALYSIS PRACTICUM. 2 cr.** Advanced concepts in the use and interpretation of urinalysis procedures and data. Practical application of medical urinalysis knowledge and skills in a medical laboratory setting. Prerequisite: MLSC majors only. F, Sp
- 4022. HEMATOLOGY II-PRACTICUM. 3 cr.** Advanced concepts in the use and interpretation of hematological and coagulation procedures and data. Practical application of medical hematology knowledge and skills in a medical laboratory setting. Prerequisite: MLSC majors only. F, Sp
- 4023. HEMATOLOGY III-PRACTICUM. 4 cr.** Continuation of MLSC 4022. Advanced concepts in the use and interpretation of hematological and body fluid procedures and data. Practical application of clinical hematology knowledge and skills in a medical laboratory setting. Prerequisite: MLSC majors only. F, Sp
- 4032. MICROBIOLOGY II-PRACTICUM. 3 cr.** Advanced concepts in the use and interpretation of medical bacteriology, mycology, virology, and parasitology procedures and data. Practical application of clinical microbiology, mycology, virology, and parasitology knowledge and skills in a medical laboratory setting. Prerequisite: MLSC majors only. F, Sp
- 4033. MICROBIOLOGY III-PRACTICUM. 4 cr.** Continuation of MLSC 432. Advanced concepts in the use and interpretation of medical bacteriology, mycology, virology, and parasitology procedures and data. Practical application of medical microbiology, mycology, virology, and parasitology knowledge and skills in a medical laboratory setting. Prerequisite: MLSC majors only. F, Sp
- 4043. CLINICAL CHEMISTRY III-PRACTICUM. 4 cr.** Advanced concepts in the use and interpretation of clinical chemistry procedures and data. Practical application of clinical chemistry knowledge and skills in a medical laboratory setting. Prerequisite: MLSC majors only. F, Sp
- 4052. IMMUNOHEMATOLOGY II-PRACTICUM. 2 cr.** Advanced concepts in the use and interpretation of immunohematological procedures and data. Practical application of clinical immunohematology and transfusion medicine in a medical laboratory setting. Prerequisite: MLSC majors only. F, Sp
- 4053. IMMUNOHEMATOLOGY III-PRACTICUM. 4 cr.** Continuation of MLSC 4052. Advanced concepts in the use and interpretation of immunohematological procedures and data. Practical application of clinical immunohematology and transfusion medicine in a reference laboratory setting. Prerequisite: MLSC majors only. F, Sp

## MILITARY SCIENCE (MILS)

Required for a minor: 3010, 3011, 3012, 3013, 3014, 4010, 4011, 4012, 4013—Total of 19 semester hours.

### For Undergraduates Only

- 1010. INTRODUCTION TO LEADERSHIP. 1 cr.** Introduction to the Army's mission, role, organization, customs and traditions, and military skills.
- 1011. BASIC LEADERSHIP LAB I. 1 cr.** Practical laboratory of applied leadership and tactical skills taken with MILS 1010. Activities include basic drill, land navigation, physical fitness, communications, basic rifle marksmanship, and rappelling.
- 1012. LEARNING TO LEAD. 1 cr.** Introduction to the Army fundamentals of leadership and first aid.
- 1013. BASIC LEADERSHIP LAB II. 1 cr.** Practical laboratory of applied leadership and tactical skills taken with MILS 1012. Activities include rifle marksmanship, first aid, rope crafts, physical conditioning, individual tactical skills, and team development skills.
- 2010. APPLIED LEADERSHIP. 2 cr.** The study of leadership principles and fundamentals, team development, and tactical skills. Registration in MILS 2011 required.
- 2011. 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.
- 2012. LEADERSHIP DEVELOPMENT. 2 cr.** The study of land navigation, individual tactical skills, and communications. Registration in MILS 2011 required.
- 2013. BASIC LEADERSHIP LAB IV. 1 cr.** A practical laboratory of applied leadership and military skills to accompany MILS 2012. Activities include rifle marksmanship, first aid, rope crafts, physical conditioning, individual tactical skills, and team development.

- 2014. CAMP CHALLENGE. 6 cr.** A six-week summer camp conducted at an Army post. Provides the student with core training allowing placement into the 3000/4000 level courses. Non-obligatory. Open to students who have not taken all four of MILS 1010, 1012, 2010, and 2012 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.
- 3010. LEADERSHIP TACTICS. 3 cr.** Military leadership principles, land navigation, small unit tactics, and physical training. Registration in MILS 3011 required.
- 3011. ADVANCED LEADERSHIP LAB I. 1 cr.** Laboratory course to accompany MILS 3010. 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.
- 3012. 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 3013 required.
- 3013. ADVANCED LEADERSHIP LAB II. 1 cr.** Laboratory course to accompany MILS 3012. 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.
- 3014. 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: MILS 3010 and 3012. To receive credit for 3014, the student must enroll in the second summer session prior to departure for camp.
- 4010. ADVANCED LEADERSHIP AND MANAGEMENT. 3 cr.** Study of command and staff activities, customs and courtesies, ethics, platoon operations, oral presentation techniques, and counseling.
- 4011. ADVANCED LEADERSHIP LAB III. 1 cr.** Laboratory course to accompany MILS 4010. 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.
- 4012. OFFICERSHIP. 3 cr.** Study of administrative skills, military law, responsibilities of an officer, and applied management techniques.
- 4013. ADVANCED LEADERSHIP LAB IV. 1 cr.** Laboratory course to accompany MILS 4012. 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.
- 4093. AIR ASSAULT SCHOOL. 3 cr. Maximum 9 cr.** Directed study at a military installation. Prerequisite: Approval of the professor of Military Science. (Formerly MILS 499A)
- 4094. AIRBORNE SCHOOL. 3 cr. Maximum 9 cr.** Directed study at a military installation. Prerequisite: Approval of the professor of Military Science. (Formerly MILS 499B)
- 4095. CADET TROOP LEADER TRAINING. 3 cr. Maximum 9 cr.** Directed study at a military installation. Prerequisite: Approval of the professor of Military Science. (Formerly MILS 499C)
- 4096. NORTHERN WARFARE TRAINING. 3 cr. Maximum 9 cr.** Directed study at a military installation. Prerequisite: Approval of the professor of Military Science. (Formerly MILS 499D)

- 4097. MOUNTAIN WARFARE TRAINING. 3 cr. Maximum 9 cr.** Directed study at a military installation. Prerequisite: Approval of the professor of Military Science. (Formerly MILS 499E)
- 4098. OTHER. 3 cr. Maximum 9 cr.** Directed study at a military installation. Prerequisite: Approval of the professor of Military Science. (Formerly MILS 499F)

## MUSIC (MUSC)

### Undergraduate Requirements

The mission of the Division of Music at the University of Louisiana at Monroe is to educate students in music and music education; to offer liberal arts performance and classroom opportunities to all students, and to develop and provide musical events, performances, workshops and activities for all people within the region. 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.

### COMMON COURSES TO ALL BACHELOR OF MUSIC CONCENTRATIONS

#### Basic Musicianship and Performance

MUSC 10XX Major Performance.....	4
MUSC 20XX Major Performance.....	4
MUSC 30XX Major Performance.....	4
MUSC 40XX Major Performance.....	2
MUSC 1002, 1003, 1004, 1005.....	8
MUSC 2002, 2003, 2004, 2005.....	8
MUSC 1015, 1016, 2015, 2016.....	4
MUSC 1093.....	2
MUSC 2073.....	2
MUSC 4074.....	2
MUSC 4091.....	3
MUSC 4092 <sup>UC</sup> .....	3
Total Basic Musicianship and Performance	46

**Additionally, the following courses are required for each specific concentration:**

#### A. Instrumental Music Performance:

Foreign Language.....	6
MUSC 3006.....	2
MUSC 3090.....	1
MUSC 4034.....	4
MUSC 4077.....	2
MUSC 4079.....	2
MUSC 4081.....	2
MUSC 4090.....	1

MUSC 4095 or 4097.....	3
MUSC 4064 or 4093 or 4094 or 4099 .....	3
MUSC 40xx-level major performance.....	2
Music Electives.....	<u>10</u>
Total credits in concentration	38

During their 4000-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>B. Music Theatre:</b>	<b>Hrs.</b>
Music 1022, 2022.....	2
MUSC 3066 or 4077 or 4081 .....	2
THEA 2007 .....	2
THEA 2021 .....	3
THEA 3001 or 3003 or 3060.....	3
THEA 3021 .....	3
THEA 3009 or 4009 or 4015 or 4106.....	3
THEA 4025 .....	3
MUSC 4076 or 4079.....	2
MUSC 4086.....	3
MUSC 40xx-level major performance.....	2
MUSC 4008.....	3
DANC 1012 .....	1
DANC 1028 .....	1
Music Electives.....	3
Dance Electives.....	<u>2</u>
Total credits in concentration	38

Students pursuing the Musical Theatre concentration will enroll in a dance class each semester.

<b>C. Music Theory and Composition:</b>	<b>Hrs.</b>
Foreign Language.....	6
MUSC 1094.....	2
MUSC 2075.....	2
MUSC 3066.....	2
MUSC 3075.....	2
MUSC 4066.....	2
MUSC 3090.....	1
MUSC 4071.....	2
MUSC 4077.....	2
MUSC 4075 or MUSC 4080.....	3
MUSC 4081.....	2
MUSC 4090.....	1
MUSC 4064 or 4093.....	3
MUSC 4094 or 4099.....	3
MUSC 40XX-level major performance .....	2
Music Electives.....	<u>3</u>
Total credits in concentration	38

<b>D. Piano Pedagogy:</b>	<b>Hrs.</b>
Music 3037 .....	3
Music 3037 .....	3
MUSC 3066, 4077, 4081 (pick two) .....	4
MUSC 4035.....	1
MUSC 4037.....	3
MUSC 4038.....	3
MUSC 4060.....	4

MUSC 4061.....	1
MUSC 4068.....	2
MUSC 4090.....	1
MUSC 4097.....	3
MUSC 40XX-level major performance .....	2
Music Electives.....	<u>8</u>
Total credits in concentration	38

<b>E. Voice Performance:</b>	<b>Hrs.</b>
Foreign Language (French).....	6
Foreign Language (German).....	6
MUSC 2091, 2092, 2093, and 2094.....	4
MUSC 3066.....	2
MUSC 3090.....	1
MUSC 4096.....	3
MUSC 4081.....	2
MUSC 4090.....	1
MUSC 4064 or 4093 or 4094 or 4099 .....	3
MUSC 40XX-level major performance .....	2
Music Electives.....	<u>8</u>
Total credits in concentration	38

<b>F. Instrumental Education (Grades K-12):</b>	<b>Hrs.</b>
PSYC 2005.....	3
PSYC 3001 .....	3
EDFN 2001 .....	3
KINS 2001 .....	1
MSED 4024 .....	3
READ 4019.....	3
MSED 3022 .....	3
MUSC 3011, 3013, 3015, 3017, and 3019.....	5
MUSC 3066 or 4077 or 4081 .....	2
MUSC 4079 .....	2
MSED 4054 .....	1
MSED 4055 .....	<u>9</u>
Total credits in concentration	38

<b>G. Vocal Education (Grades K-12):</b>	<b>Hrs.</b>
PSYC 2005.....	3
PSYC 3001 .....	3
EDFN 2001 .....	3
KINS 2001 .....	1
MSED 3013 or 3015 or 3017 or 3019.....	1
READ 4019.....	3
MSED 3022 .....	3
MUSC 3032.....	3
MUSC 2091, 2092, 2093, and 2094.....	4
MUSC 3066 or 4077 or 4081 .....	2
MUSC 4076.....	2
MSED 4054 .....	1
MSED 4055 .....	<u>9</u>
Total credits in concentration	38

All music majors must pass all common courses and courses specific to their respective concentration, a total of 87 hours, with a grade of "C" or better.

Students enrolled in a Bachelor of Music degree with a concentration in instrumental music education or vocal music education are required to pass parts I and II of the Praxis examination as a prerequisite for student teaching. Students pursuing a concentration in Instrumental or Vocal Music Education should see specific requirements pertaining to teacher education and the Praxis exam in College of Education and Human Development section of this catalog.

Required for a music minor: 1002, 1003, 1004, 1005, 4091, 4092, 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. Instrumental students must perform a "scale jury" in a semester decided by the studio teacher.

Students in concentrations that require credit hours in minor-level performance study must include 4 hours of piano if piano is not the student's major instrument.

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 at least once during each academic year 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 with a concentration in instrumental music education or vocal music education are not required to enroll in a performance course during the semester in which they student teach.

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 compositions must be permanently filed with the department. Students pursuing this concentration whose major performance area is in voice or an instrument other than a keyboard instrument are required to take their 6 hours of minor performance studies in piano.

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. Students will enroll in MUSC 4008 for three hours of credit during the semester in which they perform the role and obtain a final grade of no less than a "C" to meet this requirement.

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. Students whose major performance medium is other than keyboard must pass Piano Proficiency VI. Except for those students pursuing a concentration in Piano Pedagogy and those students pursuing a concentration in Instrumental Performance whose major performance area is in a keyboard instrument, the piano sequence MUSC 1015, 1016, 2015, 2016 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 majors must participate in at least one of the major music organizations, band, orchestra, or chorus, on a full time basis, for non-credit, during every fall and spring semester 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. Music majors must obtain a grade of no less than "C" in the course. Music majors with a concentration in music education are not required to perform in a major ensemble during the semester in which they student teach. Qualified non-music majors may participate in these organizations for credit or non-credit and must be approved by the respective director. Qualified students may enroll in more than one ensemble per semester. Students with a concentration in instrumental performance must enroll in four semesters of MUSC 4034 (Chamber Music) for one credit in addition to the major ensemble requirements detailed above.

All music majors must enroll in Recital Class (MUSC 1000/2000/3000/4000) each semester of attendance and obtain a grade of no less than "CR" in the course. Music majors with a concentration in music education are not required to enroll in Recital Class during the semester in which they student teach.

#### For Undergraduates Only

- 1000. RECITAL HOUR. 0 cr. per semester.** Required division-approved student, faculty, and guest artist performance and master classes. Graded credit/no credit.
- 1001. 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.
- 1002. MUSIC THEORY I. 3cr.** Course covers basic fundamentals of music theory including intervals, chordal structures and simple harmonic function. Prerequisite: MUSC 1001 or equivalent.
- 1003. AURAL SKILLS I. 1 cr.** Course covers fundamental elements of melodic, harmonic, and rhythmic dictation and sight-singing. Prerequisite: MUSC 1001 or equivalent.
- 1004. MUSIC THEORY II. 3 cr.** Course covers the use and function of cadences, phrases, non-chord tones and seventh chords. Prerequisite: MUSC 1002 or equivalent.
- 1005. AURAL SKILLS II. 1 cr.** Course covers intermediate melodic dictation, rhythmic dictation and sight-singing. Fundamentals of harmonic dictation are introduced. Prerequisite: MUSC 1003 or equivalent.
- 1015-1016. PIANO CLASS. 1 cr. per semester.**
- 1017. BEGINNING AND INTERMEDIATE RECORDER CLASS. 1 cr.**

- 1020. GUITAR CLASS. 1 cr. per semester.**
- 1091. ENJOYMENT OF MUSIC. 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.
- 1092. 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.
- 1093. LITERATURE AND APPRECIATION. 2 cr.** For music majors; open to others by approval of the head of the Division of Music.
- 1094. 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.
- 2000. RECITAL HOUR. 0 cr. per semester.** Required division-approved student, faculty, and guest artist performance and master classes. Graded credit/no credit.
- 2001. BASKETBALL PEP BAND. 0 cr.** Entertainment ensemble for home basketball games. Group travels to conference tournament and postseason games. Prerequisites: approval of the director. May be repeated. (Formerly MUSC 321)
- 2002. MUSIC THEORY III. 3 cr.** Course covers theoretical aspects of secondary chords, modulations and chromatically altered chords in common practice tonal music. Prerequisite: MUSC 1004 or equivalent.
- 2003. AURAL SKILLS III. 1 cr.** Course covers intermediate to advanced melodic and rhythmic dictation and sight-singing and intermediate harmonic dictation. Prerequisite: MUSC 1005 or equivalent.
- 2004. 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 2002 or equivalent.
- 2005. AURAL SKILLS IV. 1 cr.** Course covers advanced melodic, rhythmic and harmonic dictation and sight-singing. Prerequisite: MUSC 2003 or equivalent.
- 2006. UNIVERSITY CHORALE. 0-1 cr. per semester.** Prerequisite: Approval of the director. Meets ensemble requirements for majors in vocal performance, music theatre, and vocal music education. May be repeated. Music and Music Education majors must enroll for zero credit. (Formerly MUSC 330)
- 2007. MARCHING BAND. 0-1 cr. per semester.** Prerequisite: Approval of the director. Must be taken concurrently with MUSC 2008. Meets ensemble requirements for brass, wind, and percussion majors. May be repeated. Music and Music Education majors must enroll for zero credit. ((Formerly MUSC 324)
- 2008. MARCHING BAND CAMP. 0-1 cr. per semester** 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 2007. May be repeated. Music and Music Education majors must enroll for zero credit. (Formerly MUSC 325)
- 2011. WOODWIND ENSEMBLE. 0-1 cr. per semester.** Prerequisite: approval of the head of the Division of Music. May be repeated. Music and Music Education majors must take for zero credit.
- 2012. BRASS ENSEMBLE. 0-1 cr. per semester.** Prerequisite: approval of the head of the Division of Music. May be repeated. Music and Music Education majors must take for zero credit.
- 2013. PERCUSSION ENSEMBLE. 0-1 cr. per semester.** Prerequisite: approval of the director. May be repeated. Music and Music Education majors must take for zero credit.
- 2014. JAZZ ENSEMBLE. 0-1 cr. per semester.** Prerequisite: approval of the director. May be repeated. Music and Music Education majors must take for zero credit.
- 2015-2016. PIANO CLASS. 1 cr. each.**
- 2017. ADVANCED RECORDER CLASS. 1 cr.** Prerequisite: 1017 or approval of instructor.
- 2020. ADVANCED GUITAR CLASS. 1 cr.**
- 2063. 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.
- 2073. ELEMENTARY CONDUCTING. 2 cr.** Fundamentals of conducting vocal and instrumental music organizations.
- 2075. ELEMENTARY COMPOSITION. 1 cr.** Composition for beginning students and others requiring additional experience. Maximum of four credits allowed.
- 2091. ENGLISH DICTION FOR SINGERS. 1 cr.** A study of specific needs related to singing in English, through a study of the International Phonetic Alphabet.
- 2092. ITALIAN DICTION FOR SINGERS. 1 cr.** A study of Italian pronunciation using the International Phonetic Alphabet. Prerequisite: MUSC 2091 or permission of the instructor.
- 2093. FRENCH DICTION FOR SINGERS. 1 cr.** A study of French pronunciation using the International Phonetic Alphabet. Prerequisite: MUSC 2091 or permission of the instructor.
- 2094. GERMAN DICTION FOR SINGERS. 1 cr.** A study of German pronunciation using the International Phonetic Alphabet. Prerequisite: MUSC 2091 or permission of the instructor.
- 3000. RECITAL HOUR. 0 cr.** Required division-approved student, faculty, and guest artist performance and master classes. Graded credit/no credit.
- 3011-3012. VOICE CLASS. 1 cr. per semester.**
- 3013-3014. STRING CLASS. 1 cr. per semester.**
- 3015-3016. WOODWIND CLASS. 1 cr. per semester.**
- 3017-3018. BRASS CLASS. 1 cr. per semester.**
- 3019-3020. PERCUSSION CLASS. 1 cr. per semester.**
- 3028. CONCERT BAND. 0-1 cr.** Prerequisite: approval of the director. May be repeated. Music and Music Education majors must take for zero credit.
- 3031. OPERA CHORUS. 0-1 cr.** Prerequisite: approval of the director. May be repeated. Music and Music Education majors must take for zero credit.
- 3032. ELEC-TONES. 1 cr. per semester.** Prerequisite: approval of the director. May be repeated for credit. Total hours allowed vary with each degree program.
- 3037. 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.
- 3038. PIANO PEDAGOGY II. 3 cr.** A course designed to introduce procedures and materials for group piano instruction with an emphasis on the intermediate level.
- 3066. COUNTERPOINT I. 2 cr.** Introduction to 18th century counterpoint. Composition of two-voice exercises. Analysis of two, three and four-voice compositions. Prerequisites: MUSC 2004 with a grade of "C" or better.
- 3073. 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 1001 or approval of instructor.
- 3090. 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.
- 4000. RECITAL HOUR. 0 cr.** Required division-approved student, faculty, and guest artist performance and master classes. Graded credit/no credit.
- 4060. 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.

- 4066. **COUNTERPOINT II. 2 cr.** Advanced concepts in contrapuntal styles with an emphasis on the 18th century counterpoint practices. Analytical techniques and composition are included and culminate in the composition of a four-voice fugue. Prerequisites: MUSC 3066 with a grade of "C" or better.
- 4071. **COMPOSITION I. 2 cr.** Musical composition instruction based on methodologies of the 20th and 21st century with an emphasis on chamber music writing. Prerequisite: Two credits of MUSC 2075 and approval of the music theory faculty.
- 4087. **VOICE PEDAGOGY. 2 cr.** A study of the teaching methods, techniques, and materials for the voice studio. Prerequisite: Music 3041 or senior standing. Required of all vocal performance majors.
- 4090. **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.
- 4091. **HISTORICAL SURVEY I. 3 cr. each.** The first of a two-course sequence covering the major eras of Western music. Topics include discussion of major composers, styles, and genres from approximately 1750 until the present, as well as the influence of other cultures on Western music. Composers and their works are situated within a larger cultural and historical context. Emphasis is placed on aural identification and written analysis of representative works from a variety of time periods. A research paper and accompanying assignments form a significant portion of the course grade. Students will be introduced to electronic resources for music research. For music majors, open to others by approval of the head of Division of Music. Prerequisite: MUSC 1093. Required course for all B.M. and B.M.E. majors, regardless of concentration. F.
- 4092. **HISTORICAL SURVEY II. 3 cr. each.** The second of a two-course sequence covering the major eras of Western music. Topics include discussion of major composers, styles, and genres from Classical Antiquity until approximately 1750 as well as the influence of other cultures on Western music. Composers and their works are situated within a larger cultural and historical context. Emphasis is placed on aural identification and written analysis of representative works from a variety of time periods. A research paper and accompanying assignments form a significant portion of the course grade. Students will be introduced to electronic resources for music research. For music majors, open to others by approval of the head of Division of Music. Prerequisite: MUSC 1093. Required course for all B.M. and B.M.E. majors, regardless of concentration. F.

**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.....	1009, 2009
Harpichord.....	1010, 2010
Voice.....	1021, 2021
Piano.....	1022, 2022
Organ.....	1023, 2023
Violin.....	1024, 2024
Viola.....	1025, 2025
Cello.....	1026, 2026
String Bass.....	1027, 2027
Flute.....	1028, 2028
Oboe.....	1029, 2029
Bassoon.....	1030, 2030
Clarinet.....	1031, 2031
Alto Saxophone.....	1032, 2032
Trumpet.....	1033, 2033
French Horn.....	1034, 2034
Trombone.....	1035, 2035
Euphonium.....	1036, 2036
Tuba.....	1037, 2037
Percussion.....	1038, 2038
Guitar.....	1039, 2039

**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.....	1019, 2019
Harpichord.....	1040, 2040
Voice.....	1041, 2041, 3041, 4041
Piano.....	1042, 2042, 3042, 4042
Organ.....	1043, 2043, 3043, 4043
Violin.....	1044, 2044, 3044, 4044
Viola.....	1045, 2045, 3045, 4045
Cello.....	1046, 2046, 3046, 4046
String Bass.....	1047, 2047, 3047, 4047
Clarinet.....	1048, 2048, 3048, 4048
Saxophone.....	1049, 2049, 3049, 4049
Flute.....	1050, 2050, 3050, 4050
Oboe.....	1051, 2051, 3051, 4051
Bassoon.....	1052, 2052, 3052, 4052
Trumpet.....	1053, 2053, 3053, 4053
Tuba.....	1054, 2054, 3054, 4054
French Horn.....	1055, 2055, 3055, 4055
Trombone.....	1056, 2056, 3056, 4056
Euphonium.....	1057, 2057, 3057, 4057
Percussion.....	1058, 2058, 3058, 4058
Guitar.....	1059, 2059, 3059, 4059

**For Undergraduates and Graduates**

- 4001. **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.
- 4003. **PERFORMANCE AND ENSEMBLE. 0-1 cr. per semester.** Investigative study of special problems by students with particular needs in music. Prerequisite: approval of the head of the Division of Music. May serve as a substitute for enrollment in a required major ensemble. May be repeated. Music and Music Education majors must take for zero credit. (Formerly MUSC 402A)
- 4004. **HISTORY AND LITERATURE. 1-3 cr.** Investigative study of special problems by students with particular needs in music. Prerequisite: approval of the head of the Division of Music. May be repeated. (Formerly MUSC 402B)
- 4005. **THEORY AND COMPOSITION. 1-3 cr.** Investigative study of special problems by students with particular needs in music. Prerequisite: approval of the head of the Division of Music. May be repeated. (Formerly MUSC 402C)
- 4006. **PIANO PEDAGOGY AND LITERATURE. 1-3 cr.** Investigative study of special problems by students with particular needs in music. Prerequisite: approval of the head of the Division of Music. May be repeated. (Formerly MUSC 402D)
- 4007. **VOCAL DICTION, PEDAGOGY, AND LITERATURE. 1-3 cr.** Investigative study of special problems by students with particular needs in music. Prerequisite: approval of the head of the Division of Music. May be repeated. (Formerly MUSC 402D)
- 4008. **MUSIC THEATRE. 1-3 cr.** Investigative study of special problems by students with particular needs in music. Prerequisite: approval of the head of the Division of Music. May be repeated. (Formerly MUSC 402F)
- 4023. **ORCHESTRA. 0-1 cr. per semester.** Prerequisite: approval of the director. Meets ensemble requirements for music majors whose major applied area is in a string instrument. May be repeated. Music and Music Education majors must take for zero credit.
- 4026. **WIND ENSEMBLE. 0-1 cr. per semester.** Prerequisite: approval of the head of the Division of Music. Meets ensemble requirements for majors in brass, wind and percussion majors in the spring semester. May be repeated. Music and Music Education majors must take for zero credit.

- 4027. SYMPHONIC BAND. 0-1 cr. per semester.** Prerequisite: approval of the director. Meets ensemble requirements for majors in brass, wind and percussion majors the spring semester. May be repeated. Music and Music Education majors must take for zero credit.
- 4029. CONCERT CHOIR. 0-1 cr. per semester.** Prerequisite: approval of the director. Meets ensemble requirements for students whose major applied area is voice. May be repeated. Music and Music Education majors must take for zero credit.
- 4033. MADRIGALIANS. 0-1 cr. per semester.** An auditioned choir drawn from the membership of Concert Choir that performs a wide range of repertoire and tours for ULM. Prerequisite: approval of the director. May be repeated. Music and Music Education majors must take for zero credit.
- 4034. CHAMBER MUSIC. 0-1 cr. per semester.** The study and performance of chamber music for various combinations of instruments. Prerequisite: approval of the director. May be repeated. Music majors must enroll for zero credit, except for students pursuing a concentration in Instrumental Performance, who are required to apply four credits of MUSC 4034 to their degree.
- 4035. PIANO ACCOMPANYING. 0-1 cr. per semester.** Applied studio accompanying in the vocal and instrumental applied areas. Prerequisite: approval of the instructor. May be repeated. Music and Music Education majors must take for zero credit.
- 4037. 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.
- 4038. 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.
- 4061. 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.
- 4064. THE BAROQUE ERA. 3 cr.** Upper level course designed for graduate students and advanced undergraduates. Topics include discussion of major composers, styles, and genres from the late 16th century until the middle of the 18th century. Composers and their works are situated within a larger cultural and historical context. Emphasis is placed on aural identification and written analysis of representative works. A research paper and accompanying assignments form a significant portion of the course grade. Students will be introduced to electronic resources for music research. Prerequisite: MUSC 4092 or approval of the head of Division of Music. F, odd
- 4065. 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 1093.
- 4067. SURVEY OF THE MUSIC INDUSTRY. 3 cr.** An overview of the music industry, including careers, publishing, recording, and merchandising.
- 4068. 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.
- 4069. BAND REPERTOIRE. 3 cr.** Introduction to band composers and their literature. A chronological approach to the available band literature and its composers.
- 4070. BAND HISTORY AND LITERATURE. 3 cr.** History of bands, original compositions and transcriptions for band. Prerequisite: MUSC 1093.
- 4072. 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 1070, 1071, and 1072. Prerequisite: MUSC 4071.
- 4073. 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 4077.
- 4074. FORM AND ANALYSIS. 2 cr.** Intensive study of the larger musical forms. Prerequisite: MUSC 3072 or approval of the head of the Division of Music.
- 4075. ELECTRONIC MUSIC COMPOSITION. 3 cr.** A "hands-on" course utilizing the electronic music lab and oriented toward skills in composing art music. Prerequisite: Music 1094, or approval of the head of the Division of Music.
- 4076. CHORAL CONDUCTING. 2 cr.** Prerequisite: MUSC 2073.
- 4077. ORCHESTRATION. 2 cr.** Technical and tonal characteristics of orchestral instruments. Arranging for string, woodwind and brass choirs and for full orchestra. Prerequisite: MUSC 2004.
- 4079. INSTRUMENTAL CONDUCTING. 2 cr.** Prerequisite: MUSC 2073.
- 4081. ANALYSIS OF CONTEMPORARY MUSIC. 2-3 cr.** An overview of techniques used in the analysis of the music of the 20th century and beyond.
- 4082. ORGAN HISTORY AND LITERATURE. 3 cr.** Organs and organ literature from the Gothic era to the present. Prerequisite: MUSC 1093.
- 4083. WOODWIND LITERATURE. 3 cr.** Solo and chamber music written for woodwind instruments. Prerequisite: MUSC 1093.
- 4084. BRASS LITERATURE. 3 cr.** Solo and chamber music written for brass instruments. Prerequisite: MUSC 1093.
- 4086. 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.
- 4093. THE ROMANTIC ERA. 3 cr.** Upper level course designed for graduate students and advanced undergraduates. Topics include discussion of major composers, styles, and genres of the 19th century, as well as the influence of other cultures on this repertoire. Composers and their works are situated within a larger cultural and historical context. Emphasis is placed on aural identification and written analysis of representative works. A research paper and accompanying assignments form a significant portion of the course grade. Students will be introduced to electronic resources for music research. Prerequisite: MUSC 4092 or approval of the head of Division of Music. F, even
- 4094. CONTEMPORARY. 3 cr.** Upper level course designed for graduate students and advanced undergraduates. Topics include discussion of major composers, styles, and genres of the 20th century, as well as the influence of other cultures on this repertoire. Composers and their works are situated within a larger cultural and historical context. Emphasis is placed on aural identification and written analysis of representative works. A research paper and accompanying assignments form a significant portion of the course grade. Students will be introduced to electronic resources for music research. Prerequisite: MUSC 4092 or approval of the head of the Division of Music. Sp, odd
- 4095. ORCHESTRAL LITERATURE. 3 cr.** Orchestral music from the Baroque period to the present. Prerequisite: MUSC 1093.
- 4096. SONG LITERATURE. 3 cr.** Music for solo voice from the Baroque period to the present with particular attention to the Romantic period. Prerequisite: MUSC 1093.
- 4097. KEYBOARD LITERATURE. 3 cr.** Music for keyboard instruments from the English virginal school to the present.
- 4098. CHORAL LITERATURE. 3 cr.** Choral music from the Renaissance to the present. Prerequisite: MUSC 1093.

**4099. THE CLASSIC ERA. 3 cr.** Upper level course designed for graduate students and advanced undergraduates. Topics include discussion of major composers, styles, and genres from the middle of the 18th century until the early 19th century. Composers and their works are situated within a larger cultural and historical context. Emphasis is placed on aural identification and written analysis of representative works. A research paper and accompanying assignments form a significant portion of the course grade. Students will be introduced to electronic resources for music research. Prerequisite: MUSC 4092 or approval of the head of the Division of Music. Sp, even

## MUSIC EDUCATION (MSED)

### For Undergraduates Only

- 3008. 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.
- 3022. MATERIALS AND METHODS IN VOCAL MUSIC IN THE ELEMENTARY SCHOOL. 3 cr.** Vocal class and rehearsal management, methods, and materials in the elementary school.
- 3032. MATERIALS AND METHODS IN VOCAL MUSIC IN THE HIGH SCHOOL. 3 cr.** Vocal class and rehearsal management, methods, and materials in the secondary school.
- 3035-3036. MUSIC EDUCATION FOR THE ELEMENTARY GRADES. 3 cr. each.**
- 4024. 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.
- 4054. 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.
- 4055. STUDENT TEACHING IN VOCAL MUSIC. 6, 9, 12 cr.** Must be admitted to Teacher Education.
- 4056. STUDENT TEACHING IN INSTRUMENTAL MUSIC. 6, 9, 12 cr.** Must be admitted to Teacher Education.

### For Undergraduates and Graduates

- 4001. SPECIAL PROBLEMS. 1-3 cr.**
- 4003. INSTRUMENT REPAIR. 3 cr.** Practical methods of maintenance, adjustment, and repairs of musical instruments.
- 4005. 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.
- 4007. PIANO TEACHERS WORKSHOP. 3 cr. Maximum, 9 cr.** A course for piano teachers, including instructional procedures, methods and materials, and teaching demonstrations.
- 4009. 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.
- 4012. MUSIC EDUCATION WORKSHOP: BASIC. 3 cr.** A course designed to instruct teachers and supervisors of elementary music in singing, playing instruments, moving, creating, arranging, and selecting music. (Formerly MSED 411A)
- 4013. MUSIC EDUCATION WORKSHOP: INTERMEDIATE. 3 cr.** A course designed to instruct teachers and supervisors of elementary music in singing, playing instruments, moving, creating, arranging, and selecting music. (Formerly MSED 411B)

- 4014. MUSIC EDUCATION WORKSHOP: ADVANCED. 3 cr.** A course designed to instruct teachers and supervisors of elementary music in singing, playing instruments, moving, creating, arranging, and selecting music. (Formerly MSED 411C)
- 4017. 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.
- 4019. THE MARCHING BAND. 3 cr.** Fundamentals organization, precision drill and pageantry; charting and rehearsal procedures and musical problems.
- 4020. 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 4019 or equivalent.
- 4090. 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.
- 4091. INTRODUCTORY WORKSHOP IN ORFF-SCHULWERK. 3 cr.** Basic Orff-Schulwerk techniques, including body movement, soprano recorder, percussion, vocal performance, improvisation, and arranging.
- 4092. 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 4091 or equivalent.
- 4093. 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 4092 or equivalent.
- 4095. 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 3022 or 3035 or equivalent.
- 4096. 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 4095 or equivalent.

## NURSING (NURS)

Required for a major: 2000 or 2002 or 2020; 2004, 2005, 2007, 2016, 2080; 3004 and 3005 (or 3007 and 3008); 3032, 3034, and 4030; 4004, and 4005; 4037, 4062 or 4072, 4063 or 4073, 4064 or 4074, and 4065 or 4075.

Required for accelerated program: 2004, 2016, 2017, 2021, 2022, 3021, 3023, 3025, 3026, 3027, 4007, 4008, 4009, 4010, 4011, 4012, 4014, 4015, 4030, 4037

### For Undergraduates Only

- 2000. 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.

- 2002. 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.
- 2004. 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 2005, 2007 or 2002, 2016, 2080, or current Registered Nurse Licensure.
- 2005. 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 2000, Registration or credit in NURS 2007 and 2004 , 2016, and 2080.
- 2007. 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 2000, Registration or credit in NURS 2004, 2005, 2016, and 2080.
- 2016. 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. Prerequisite: CSCI 1070.
- 2017. 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 2016.
- 2020. 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 2016; current RN licensure.
- 2021. 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 2016, 2017.
- 2022. NURSING PHARMACOTHERAPEUTICS I. 1 cr.** Medication dosage and calculation and drug administration. Prerequisite: NURS 2016, 2017.
- 2080. 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 1014, 1015, 1016, and 1017 or 1020. (Formerly PHAR 2080)
- 3000. 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 2004, 2005, 2007, 2016, or approval of the Director, School of Nursing.
- 3004. 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 2004, 2005, 2007, 2016, 2080; registration or credit in NURS 3005 or 3007, and 3006.
- 3005. 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 2004, 2005, 2007, 2016, 2080; registration or credit in NURS 3004 and 3006.
- 3007. 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 2002, 2004, 2016, 2080, credit or registration in NURS 3008, credit or registration in NURS 3004, and current Practical Nurse Licensure in Louisiana, one year of acute or long-term care experience, and approval of the Coordinator.
- 3008. 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 2002, 2004, 2005, 2007, 2016, 2080, credit or registration in NURS 3004 and 3007, current Practical Nurse Licensure in Louisiana, one year of acute or long-term care experience, and approval of the Coordinator.
- 3021. 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 2004, 2016, 2017, 2021, 2022.
- 3023. CARE OF CHILDREN. 4 cr.** Application of nursing process in care of healthy and ill children and their families. Prerequisites: NURS 2004, 2016, 2017, 2021, 2022.
- 3025. CHILDBEARING FAMILY. 4 cr.** Application of the nursing process in the care of the childbearing family. Prerequisites: NURS 2004, 2016, 2017, 2021, 2022.
- 3026. NURSING PHARMACOTHERAPEUTICS II. 1 cr.** Application of pharmacological concepts to the nursing care of adults, children and childbearing families. Prerequisites: NURS 2004, 2016, 2017, 2021, and 2022.
- 3027. PATHOPHYSIOLOGY FOR NURSING I. 2 cr.** Pathophysiological foundations of nursing care of adults, children, and child bearing families with chronic illness. Prerequisites: NURS 2004, 2016, 2017, 2021, 2022.
- 3032. 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 3004, 3005 or 3007 and 3008.
- 3034. 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 3004, 3005 or 3007 and 3008.
- 3035. MEDICAL-SURGICAL EMERGENCIES. 3 cr.** This course focuses on in-depth coverage of specific medical-surgical emergencies that a nurse may encounter outside the critical care setting. Prerequisites: NURS 3004 and NURS 3005 or NURS 3007 and NURS 3008, or approval of Director, School of Nursing. SUM
- 3036. REDUCING INFANT MORTALITY: THE NURSE'S ROLE. 3 cr.** Addresses the impact of infant mortality on society and the needs and risks of vulnerable women of childbearing age and their infants. Prerequisites: NURS 3004 and NURS 3005 or NURS 3007 and NURS 3008, or approval of Director, School of Nursing. SUM
- 4004. 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 3032, 3034.
- 4005. 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 3032, 3034.
- 4007. DIMENSIONS OF PROFESSIONAL NURSING III. 7 cr.** Application of the nursing process to acutely ill adults in acute care settings. Prerequisites: NURS 2004, 2016, 2017, 2021, 2022, 3021, 3023, 3025, 3026, 3027.
- 4008. PSYCHIATRIC/MENTAL HEALTH NURSING. 4 cr.** Application of nursing care related to the mental health of individuals and groups facing coping challenges. Prerequisites: NURS 2004, 2016, 2017, 2021, 2022, 3021, 3023, 3025, 3026, 3027.

- 4009. NURSING PHARMACOTHERAPEUTICS III. 1 cr.** Application of pharmacotherapeutic concepts to the nursing care of acutely ill individuals in acute care settings. Prerequisites: NURS 2004, 2016, 2017, 2021, 2022, 3021, 3023, 3025, 3026, 3027.
- 4010. PATHOPHYSIOLOGY FOR NURSING II. 2 cr.** Pathophysiological foundations of nursing care of adults with acute illness. Prerequisites: NURS 2004, 2016, 2017, 2021, 2022, 3021, 3023, 3025, 3026, 3027.
- 4011. COMMUNITY NURSING I. 2 cr.** Community health nursing foundations and theory. Public health principles. Overview of community health nursing roles. Prerequisites: NURS 2004, 2016, 2017, 2021, 2022, 3021, 3023, 3025, 3026, 3027, 4007, 4008, 4009, 4010, 4030.
- 4012. 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 2004, 2016, 2017, 2021, 2022, 3021, 3023, 3025, 3026, 3027, 4007, 4008, 4009, 4010, 4030. Credit or registration in NURS 4011.
- 4014. 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 2004, 2016, 2017, 2021, 2022, 3021, 3023, 3025, 3026, 3027, 4007, 4008, 4009, 4010, 4030. Credit or registration in NURS 4011.
- 4015. 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 2004, 2016, 2017, 2021, 2022, 3021, 3023, 3025, 3026, 3027, 4007, 4008, 4009, 4010. Credit or registration in NURS 4011.
- 4026. RESEARCH. 1-3 cr. Maximum, 6 crs.** Investigative study of special problems by students with particular needs in nursing education, practice, and administration. Prerequisite: Approval of the Director, School of Nursing. (Formerly NURS 438A)
- 4027. PRACTICE. 1-3 cr. Maximum, 6 crs.** Investigative study of special problems by students with particular needs in nursing education, practice, and administration. Prerequisite: Approval of the Director, School of Nursing. (Formerly NURS 438B)
- 4028. ADMINISTRATION. 1-3 cr. Maximum, 6 crs.** Investigative study of special problems by students with particular needs in nursing education, practice, and administration. Prerequisite: Approval of the Director, School of Nursing. (Formerly NURS 438C)
- 4029. EDUCATION. 1-3 cr. Maximum, 6 crs.** Investigative study of special problems by students with particular needs in nursing education, practice, and administration. Prerequisite: Approval of the Director, School of Nursing. (Formerly NURS 438D)
- 4030. NURSING RESEARCH. 3 cr.** Basic research methods applied to problems in patient care. Prerequisites: NURS 2020 or 3005 or 3007, or 3021.
- 4033. 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.
- 4034. LABOR AND DELIVERY NURSING. 3 cr.** Nursing theoretical and clinical components related to childbearing families during the intrapartal period. Prerequisites: NURS 3032.
- 4035. 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.
- 4037. 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 3023, 3025, or 2020, 4004, 4005 or approval of the Director, School of Nursing.
- 4039. 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.
- 4040. FAITH COMMUNITY NURSING. 3 cr.** Online course introducing students to a specialty practice that combines professional nursing and health ministry. Prerequisites: NURS 3032, 3034, 4030 or approval of Director of School of Nursing. Sum 1, Sum 2
- 4041. 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 3004, 3005 or 3007, or Registered Nurse licensure.
- 4042. 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 3004, 3005 or 3007, or Registered Nurse licensure.
- 4043. 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 3004, 3005 or 3007, or Registered Nurse licensure.
- 4046. 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.
- 4048. WOMEN'S HEALTH ISSUES. 3 cr.** The study of women's health issues and concerns from a psycho-bio-social perspective.
- 4049. INTEGRATIVE HEALTH PROMOTION FOR PROFESSIONALS. 3 cr.** This course explores integrative health modalities that will assist people to address wellness and illness using a variety of strategies. This holistic approach to health promotion combines conventional treatment with clinically proven complementary and alternative therapies. Prerequisites: NURS 2002, or NURS 2005, or NURS 2016. Sum
- 4051. CRITICAL CARE NURSING: ADULT. 3 cr.** The indepth study of critical care aspects of nursing, including support mechanisms. Prerequisite: NURS 4004, 4005, Registered Nurse license, or permission of the Director, School of Nursing. (Formerly NURS 450A)
- 4052. CRITICAL CARE NURSING: PEDIATRIC. 3 cr.** The indepth study of critical care aspects of nursing, including support mechanisms. Prerequisite: NURS 4004, Registered Nurse license, or permission of the Director, School of Nursing. (Formerly NURS 450B)
- 4053. CRITICAL CARE NURSING: MICU. 3 cr.** The indepth study of critical care aspects of nursing, including support mechanisms. Prerequisite: NURS 4004, 4005, Registered Nurse license, or permission of the Director, School of Nursing. (Formerly NURS 450C)

- 4054. CRITICAL CARE NURSING: SICU. 3 cr.** The indepth study of critical care aspects of nursing, including support mechanisms. Prerequisite: NURS 4004, 4005, Registered Nurse license, or permission of the Director, School of Nursing. (Formerly NURS 450D)
- 4055. CRITICAL CARE NURSING: PICU. 3 cr.** The indepth study of critical care aspects of nursing, including support mechanisms. Prerequisite: NURS 4004, 4005, Registered Nurse license, or permission of the Director, School of Nursing. (Formerly NURS 450E)
- 4056. CRITICAL CARE NURSING: NICU. 3 cr.** The indepth study of critical care aspects of nursing, including support mechanisms. Prerequisite: NURS 4004, 4005, Registered Nurse license, or the permission of the Director, School of Nursing. (Formerly NURS 450F)
- 4057. CRITICAL CARE NURSING: BURN. 3 cr.** The indepth study of critical care aspects of nursing, including support mechanisms. Prerequisite: NURS 4004, 4005, Registered Nurse license, or permission of the Director, School of Nursing. (Formerly NURS 450H)
- 4058. CRITICAL CARE NURSING: PSYCHIATRY. 3 cr.** The indepth study of critical care aspects of nursing, including support mechanisms. Prerequisite: NURS 4004, 4005, Registered Nurse license, or permission of the Director, School of Nursing. (Formerly NURS 450I)
- 4059. CRITICAL CARE NURSING: DIALYSIS. 3 cr.** The indepth study of critical care aspects of nursing, including support mechanisms. Prerequisite: NURS 4004, 4005, Registered Nurse license, or permission of the Director, School of Nursing. (Formerly NURS 450J)
- 4060. CRITICAL CARE NURSING: EMERGENCY. 3 cr.** The indepth study of critical care aspects of nursing, including support mechanisms. Prerequisite: NURS 4004, 4005, Registered Nurse license, or permission of the Director, School of Nursing. (Formerly NURS 450K)
- 4061. CRITICAL CARE NURSING: SUBSTANCE ABUSE. 3 cr.** The indepth study of critical care aspects of nursing, including support mechanisms. Prerequisite: NURS 4004, 4005, Registered Nurse license, or permission of the Director, School of Nursing. (Formerly NURS 450L)
- 4062. COMMUNITY HEALTH. 3 cr.** Nursing theory for individuals, families, and groups with a focus on community health. Prerequisites: NURS 4004, 4005; credit or registration in 4063.
- 4063. COMMUNITY PRACTICUM. 2 cr.** Application of nursing theory to individuals, families, and groups in the community. Prerequisites: NURS 4004, 4005; credit or registration in 4062.
- 4064. NURSING MANAGEMENT. 2 cr.** Management theory and principles adapted to nursing. A focus on synthesis of nursing health maintenance, restoration and reorganization. Prerequisites: NURS 4004, 4005; credit or registration in 4065.
- 4065. MANAGEMENT PRACTICUM. 4 cr.** Application of management theory to the delivery of health care in a variety of settings. Prerequisites: NURS 4004, 4005; credit or registration in 4064.
- 4072. COMMUNITY CONCEPTS. 3 cr.** Nursing theory with a focus on community health. Prerequisites: NURS 2004, 2016, 2020; 2080; current RN licensure; credit or registration in NURS 4073.
- 4073. COMMUNITY PRACTICUM RN. 2 cr.** Application of the nursing theory to individuals, families, and groups in the community. Prerequisites: NURS 2004, 2016, 2020, 2080; current RN licensure; credit or registration in NURS 4072.
- 4074. MANAGEMENT CONCEPTS. 2 cr.** Management theory and principles adapted to nursing for the Registered Nurse. Prerequisites: NURS 2004, 2016, 2020; 2080; current RN licensure; credit or registration in NURS 4075.
- 4075. MANAGEMENT PRACTICUM RN. 4 cr.** Application of management theory to the delivery of health care in a variety of settings. Prerequisites: NURS 2004, 2016, 2020, 2080, credit or registration in NURS 4074; current RN licensure.

## OCCUPATIONAL THERAPY (OCCT)

Required for an Associate of Science in Occupational Therapy Assistant: 1006, 1015, 2000, 2001, 2004, 2005, 2008, 2010, 2022, 2025, 2026, 2028, 2029, 2032, 2042, 2045, 2060, 2061 - Total of 39 semester hours.

### For Undergraduates Only

- 1006. PATHOLOGY. 3 cr.** Introduction to physical pathological conditions commonly encountered in the practice of occupational therapy. Prerequisites: 2.5 overall GPA (uncorrected). OCTA majors only. Su II
- 1015. PATHOLOGY. 3 cr.** Introduction to mental and developmental conditions commonly encountered in the practice of occupational therapy. Prerequisites: 2.5 overall GPA (uncorrected). OCTA majors only. F
- 2000. 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
- 2001. 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
- 2004. 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
- 2005. 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
- 2008. GROUP PROCESS. 3 cr.** Basic elements of interactive processes, activity teaching and observation writing. Prerequisite: 2.5 overall GPA (uncorrected). OCTA majors only. Sp
- 2010. 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
- 2022. 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 2026; 2.5 overall GPA (uncorrected). OCTA majors only. F
- 2025. 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
- 2026. 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
- 2028. 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 2042; 2.5 overall GPA (uncorrected). OCTA majors only. Sp

- 2029. 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 2032; 2.5 overall GPA (uncorrected). OCTA majors only. Sp
- 2032. 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 2029; 2.5 overall GPA (uncorrected). OCTA majors only. Sp
- 2042. 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 2028; 2.5 overall GPA (uncorrected). OCTA majors only. Sp
- 2045. 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
- 2060. 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.
- 2061. 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)

### Doctor of Pharmacy Requirements

Required for a major (PHAR): 3000, 3050, 3085, 4002, 4003, 4007, 4008, 4009, 4011, 4012, 4013, 4025, 4032, 4036, 4045, 4047, 4051, 4054, 5003, 5015, 5074, 5087, 5088, 5089, 6034, 6035, 6036, 6037, 6038, 6039, 6040, and 10 hours of pharmacy electives — Total of 150 semester hours (Pharmacy elective credits must be taken while enrolled in the professional program. A list of approved electives is available in the College of Pharmacy Office or Student and Professional Affairs. Additional courses may be reviewed by the Doctor of Pharmacy Curriculum Committee and recommended to the Dean of Academic Affairs for credit.)

### For Undergraduates and Professionals

- 3001. 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.
- 3002. 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.
- 3010. HISTORY OF PHARMACY. 2 cr.** An examination of the historical basis of contemporary pharmacy practice.

- 4004. 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.
- 4006. COMMUNITY HEALTH EDUCATION. 2 cr.** Development of technologies that facilitate changes in health related behavior that affect individuals, organizations, and social or community systems.
- 4053. 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

- 3085. PATIENT COUNSELING AND COMMUNICATION. 2 cr.** Principles and techniques of communication applicable to pharmacy practice. Prerequisite: Second year pharmacy standing.
- 4045. PROFESSIONAL PRACTICE LABORATORY. 1 cr.** Principles and techniques of dispensing extemporaneously prepared and prefabricated products, and relevant aspects of contemporary pharmacy practice. Prerequisites: 4032; credit or registration in 4054.
- 4067. PESTICIDES. 2 cr.** Chemicals and drugs which have important application as insecticides, herbicides, fungicides, and rodenticides. Prerequisite: 4013.
- 4069. ONCOLOGY PHARMACY PRACTICE. 2 cr.** Appropriate therapy for hematological and oncologic disease states, supportive care, oncologic emergencies and critical care issues, pathophysiology, and the pharmacologic and physiochemical properties of medications. Preparation, distribution and administration of chemotherapy will also be covered. Prerequisites: Third year pharmacy standing.
- 4089. 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 3011, 3013, and Chemistry 3004.
- 4096. PHARMACEUTICAL LEGISLATION. 3 cr.** Historical Development of pharmaceutical law and its effect on the practice of pharmacy. Prerequisite: 4054.
- 5003. PATIENT ASSESSMENT FOR PHARMACISTS. 2 cr.** Utilization of physical assessment findings to evaluate drug therapy needs and response. Prerequisite: Third year pharmacy standing.
- 5015. CLINICAL PHARMACOKINETICS. 3 cr.** The application of pharmacokinetic principles to the safe and therapeutic management of the individual patient. Prerequisites: 4032.
- 5024. 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)
- 5074. 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 5088.
- 5087. DISEASE PATHOGENESIS AND PHARMACOTHERAPY III. 5 cr.** Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans. Prerequisite: 4014, 4018, 5086.
- 5088. DISEASE PATHOGENESIS AND PHARMACOTHERAPY IV. 4 cr.** Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans. Prerequisite: 4014, 4018, 5087.
- 5089. RESEARCH METHODS FOR THE PHARMACIST. 2 cr.** Introduction to the design and common statistical analysis of clinical drug trials. Prerequisite: 4025; Third year pharmacy.

- 6034. 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.
- 6035. 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.
- 6036. 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.
- 6037. 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.
- 6038. 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.
- 6039. 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.
- 6040. 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.

#### For Professionals and Graduates

- 4013. PHARMACOLOGY III. 4 cr.** Continuation of 4012 with emphasis on the cardiovascular, renal, and respiratory systems. Prerequisites: 4007, 4012, 4036.
- 4014. PHARMACOLOGY IV. 4 cr.** Continuation of 4013 with emphasis on the gastrointestinal system, endocrine system, reproductive system, and chemotherapeutic agents. Prerequisites: 4013; credit or registration in 4018.
- 4019. 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 physiochemical properties, and metabolism of genetically engineered biopharmaceuticals. Prerequisite: 4008, 4009; credit or registration in 4014; or approval of department head.
- 4023. 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: 4008, 4012, 4036.
- 4032. PHARMACEUTICS III. 3 cr.** The interrelationship between formulation factors and pharmacokinetic aspects of drug absorption, distribution, metabolism, and excretion. Prerequisite: 4003.
- 4054. LAW. 3 cr.** Local, state and federal laws, rules and regulations relating to the practice of Pharmacy. Prerequisite: Second year pharmacy.
- 5064. 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 4011, 4012, and 4032.

## PHARMACY (PHRD)

### Doctor of Pharmacy Requirements

#### Student admitted in doctor

Required for a major (PHRD): 4000, 4002, 4004, 4008, 4010, 4012, 4014, 4025, 4027, 4029, 4031, 4033, 4035, 4047, 4049, 4050, 4052, 4054, 4056, 4058, 4070, 4074, 4077, 4079, 4081, 4083, 4099, 5000, 5002, 5004, 5006, 5008, 5010, 5020, 5025, 5027, 5029, 5031, 5033, 5035, 5037, 5049, 6000, 6002, 6004, 6005, 6006, 6008, 6010, 6012 and 10 hours of pharmacy elective credit. \_ —Total of 164 Semester hours (Pharmacy elective credits must be taken while enrolled in the professional program. A list of approved electives is available in the College of Pharmacy Office or Student and Professional Affairs. Additional courses may be reviewed by the Doctor of Pharmacy Curriculum Committee and recommended to the Dean of Academic Affairs for credit.)

#### For Professionals Only

- 4000. MEDICAL MICROBIOLOGY. 3 cr.** Discussion of bacterial, viral, fungal and parasitic pathogens and the diseases they cause. Topics include microbial structure, physiology and genetics, virulence factors and mechanisms of tissue damage. Prerequisite: First Year standing. Credit or registration in 4020.
- 4002. PRINCIPLES OF DRUG ACTION I. 5 cr.** This course focuses on the molecular-level composition of living organisms in relationship to the biochemical and molecular biopharmaceutical bases of therapeutic intervention with medicinal substances, and associated foundational concepts of medicinal and pharmaceutical chemistry, pharmacology, and toxicology. Prerequisites: Credit or registration in 4020.
- 4004. PHARMACEUTICAL CALCULATIONS. 2 cr.** Fundamentals of pharmaceutical measurement and calculations. Prerequisite: First Year standing. Credit or registration in 4020.
- 4008. PHARMACEUTICS I. 3 cr.** Fundamentals of physical pharmacy and an introduction to liquid oral dosage forms. Prerequisite: First year standing. Credit or registration in 4020.
- 4010. INTRODUCTION TO PHARMACY. 1 cr.** An introduction to the pharmacist in society, modes of pharmacy practice, historical perspectives, fundamentals of professional responsibility. Prerequisite: First year standing. Credit or registration in 4020.
- 4012. PATHOPHYSIOLOGY I. 2 cr.** Students will be introduced to disease processes at a cellular level. Prerequisite: First year standing. Credit or registration in 4020.
- 4014. TOP DRUGS AND MEDICAL TERMINOLOGY. 1 cr.** Introduction to the origin and definition of medical terms used in healthcare settings. Arranged by body and organ systems with a heavy emphasis on pharmacology. Brand/Generic names, dosage forms, strengths, and therapeutic class of current top 200 drugs are covered. Prerequisites: Credit or registration in PHRD 4020

- 4020. INTEGRATED LAB SEQUENCE I. 1 cr.** First in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on medical terminology, microbiology, drug action, therapeutics, calculations, pharmaceuticals, and pathophysiology. Prerequisite: Credit or registration in 4000, 4002, 4004, 4006, 4010, 4012, 4014.
- 4025. PRINCIPLES OF IMMUNOLOGY. 2 cr.** Detailed discussions of the stimulation, production and role of innate and acquired immune responses, health outcomes in immunopathological conditions, and the modulation of immune function using vaccines and other biotechnology products. Prerequisites: PHRD 4000.
- 4027. PRINCIPLES OF DRUG ACTION II. 3 cr.** A continuation of PHRD 4002. Prerequisites: Completion of PHRD 4002.
- 4029. PHARMACEUTICS II. 3 cr.** Fundamentals of drug delivery systems. Prerequisites: PHRD 4008.
- 4031. PHARMACY PRACTICE ETHICS AND LAW I. 2 cr.** Distinguishes ethical from other kinds of issues in pharmacy, identifies options open to a pharmacist faced with an ethical issue. Students will be introduced to administrative law as it applies to the practice of pharmacy
- 4033. DRUG INFORMATION RETRIEVAL. 3 cr.** Orientation to current drug information systems, appropriate search strategies utilizing primary, secondary and tertiary resources combined with applications of common statistical tests seen in medical literature.
- 4035. PATHOPHYSIOLOGY II. 3 cr.** The student will continue to build on the knowledge from pathophysiology I as complete organ systems are introduced and the impact of diseases on this systems are studied. Prerequisites: PHRD 4012
- 4047. PARENTERALS. 1cr.** The course introduces the student to the pharmaceuticals and clinical applications of parenterals. Topics include calculations, aseptic technique, and regulations impacting parenterals.
- 4049. INTEGRATED LAB SEQUENCE II. 1 cr.** Second in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on immunology, drug action, therapeutics, pharmaceuticals, law/ethics, informatics, pathophysiology, and parenterals. Prerequisites: 4020 and credit or registration in 4025, 4027, 4029, 4031, 4033, 4035, 4047
- 4050. COMMUNITY INTRODUCTORY PHARMACY PRACTICE EXPERIENCE. 4 cr.** The purpose of this course is to expose students to entry-level pharmacy practice through working in a pharmacy practice site. Prerequisite: PHRD 4031
- 4052. RESEARCH METHODS AND LITERATURE EVALUATION. 3 cr.** Introduction and application of basic concepts of research methodology and design needed for efficient evaluation, utilization and clinical application of medication information available in medical literature. Prerequisites: PHRD 4033
- 4054. INTRODUCTION TO COMMUNICATIONS. 1 cr.** Orientation to psychosocial and communication principles and techniques with application to professional practice environments and clinical counseling situations. Prerequisites: PHRD 4010, 4031, and 4033
- 4056. BIOPHARMACEUTICS AND PHARMACOKINETICS. 3 cr.** The study of the interrelationship between formulation factors and pharmacokinetic aspects of drug absorption, distribution, metabolism, and excretion. Prerequisites: PHRD 4004
- 4058. NEUROLOGY AND PSYCHIATRY MODULE. 5 cr.** Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to neurology/psychiatric drug therapy management. Prerequisites: Second year standing
- 4070. INTEGRATED LAB SEQUENCE III. 1 cr.** Third in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on drug literature evaluation, communications, biopharmaceutics/pharmacokinetics, neurologic/psychiatric, and endocrinologic disorders. Prerequisites: credit or registration in 4052, 4054, 4056, 4058, 4074.
- 4074. ENDOCRINE MODULE. 3 cr.** Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to endocrine drug therapy management. Prerequisites: credit or registration in PHRD 4058
- 4077. HEALTH CARE SYSTEMS. 3 cr.** An overview of the structure, organization, delivery, and financing of the U.S. health care system, managed health care and pharmacy services combined with the role of the pharmacist.
- 4079. SELF CARE/PATIENT ASSESSMENT I MODULE. 4 cr.** Basic patient assessment skills required in the delivery of pharmaceutical care and principles of self care including: determining if self care is appropriate and recommending appropriate self care treatment. Prerequisites: Second year standing
- 4081. INFECTIOUS DISEASES MODULE. 6 cr.** Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to infectious diseases drug therapy management. Prerequisites: Second year standing
- 4083. GASTROINTESTINAL, NUTRITION, AND HEPATIC MODULE. 2 cr.** Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to Gastrointestinal and Hepatic disease drug therapy management. Nutrition will also be covered. Prerequisites: PHRD 4058
- 4099. INTEGRATED LAB SEQUENCE IV. 1 cr.** Fourth in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on health-care systems, self-care; patient assessment, infectious diseases, and Gastrointestinal/nutritional/hepatic disorders. Prerequisites: credit or registration in 4077, 4079, 4081, 4083.
- 5000. INSTITUTIONAL INTRODUCTORY PHARMACY PRACTICE EXPERIENCE. 4 cr.** The purpose of this course is to expose students to entry-level pharmacy practice through working in a pharmacy practice site. Prerequisites: Second year standing.
- 5002. PHARMACY PRACTICE ETHICS AND LAW II. 2 cr.** This course reviews the principles of ethics as they apply to pharmacy practice. Students will focus primarily on the law as it applies to drugs, medical devices, and the practice of pharmacy. Prerequisites: PHRD 4031
- 5004. ADVANCED COMMUNICATION. 2 cr.** Application of techniques and strategies for patient-centered and colleague-centered communication with an emphasis is on skills that enable development and maintenance of constructive interpersonal relationships in a variety of pharmacy practice settings. Prerequisites: PHRD 4054
- 5006. PROFESSIONAL PHARMACY MANAGEMENT. 3 cr.** Examination of the managerial aspects of pharmacy practice within the health care system with an emphasis on the basic financial, operational, and human resource management, knowledge, and skills necessary for a successful professional practice. Prerequisites: PHRD 4077
- 5008. SELF CARE/PATIENT ASSESSMENT II MODULE. 2 cr.** Basic patient assessment skills required in the delivery of pharmaceutical care and principles of self care including: determining if self care is appropriate and recommending appropriate self care treatment. Prerequisites: PHRD 4079

- 5010. CARDIOVASCULAR MODULE. 6 cr.** Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to cardiovascular drug therapy management. Prerequisites: Third year standing
- 5020. INTEGRATED LAB SEQUENCE V. 1 cr.** Fifth in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on ethics/law, communications, pharmacy management, self-care, patient assessment, and cardiovascular disorders. Prerequisites: credit or registration in 5002, 5004, 5006, 5008, 5010.
- 5025. PHARMACOECONOMICS AND OUTCOMES. 2 cr.** Introduction to the principles and tools of pharmacoeconomics and outcomes assessment that are commonly used to study the impact of pharmaceutical care services on the health and health care of a patient or community. Prerequisites: PHRD 4077 and 5006
- 5027. BONE AND JOINT MODULE. 2 cr.** Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to bone and joint disease drug therapy management. Prerequisites: PHRD 5008
- 5029. SPECIAL POPULATIONS MODULE. 2 cr.** Provides enhanced coverage of pharmacologic and therapeutic issues relevant to populations with alternative pharmaceutical needs because of unique diseases and altered pharmacokinetics and pharmacodynamics outside of the defined normal adult population. Prerequisites: PHRD 4058, 4074, 4081, 5008, 5010 and credit or registration in PHRD 5027, 5031, 5033, 5035, 5037
- 5031. RESPIRATORY MODULE. 2 cr.** Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to respiratory drug therapy management. Prerequisites: PHRD 4058 and 4074
- 5033. RENAL/UROLOGY MODULE. 2 cr.** Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to renal and urology drug therapy management. Prerequisites: PHRD 5010
- 5035. HEMATOLOGY/ONCOLOGY MODULE. 3 cr.** Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to hematology and oncology drug therapy management. Prerequisites: Third year standing
- 5037. EYE, EARS, NOSE, THROAT, AND DERMATOLOGY MODULE. 2 cr.** Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to EENT and dermatologic drug therapy management. Prerequisites: PHRD 4081, 5008 and 5010
- 5049. INTEGRATED LAB SEQUENCE VI. 1 cr.** Sixth in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on pharmacoeconomics, bone/joint, special populations, respiratory, renal/urologic, hematologic/oncologic, and EENT/dermatologic disorders. Prerequisites: credit or registration in 5025, 5027, 5029, 5031, 5033, 5035, 5037.
- 5051. AGING AND DRUG USE IN THE ELDERLY. 2 cr.** An examination of normative and pathological aging and their effects on drug use and response in the aged population. Prerequisite: Second or third year pharmacy standing
- 5052. CASE STUDIES IN PHARMACY ADMINISTRATION. 3 cr.** Case studies in medication safety, health care reform, drug marketing, pharmacy law and ethics, professional relations, and managerial accounting. Prerequisites: PHRD 4031 and 4077
- 5053. HERBAL REMEDIES. 3 cr.** Study of herbal remedies and phytomedicinals widely used as self-selected products for therapeutic, quality of life, and prophylactic purposes. The course will focus on safety, efficacy, herb-food, and drug-herb interactions, role of pharmacists to properly assist consumers and aspects of marketing regulations.
- 5054. HOSPITAL ADMINISTRATION. 2 cr.** The history of hospitals; organization and administration of patient care facilities; distribution of pharmaceuticals to inpatients; abilities required of the pharmacist; and the many roles of the pharmacist as a member of the health care team. Prerequisite: Second year pharmacy standing
- 5055. VACCINATIONS. 2 cr.** An innovative and active training program that provides the skills necessary to become a primary source for vaccine advocacy, education and administration. Prerequisite: Third year pharmacy standing
- 5056. NUCLEAR MEDICINE. 2 cr.** Handling and storage of radioisotopes and their application to pharmacy practice. The official radiopharmaceuticals and non-official radiopharmaceuticals of merit employed in therapy will be considered. Prerequisite: Second year pharmacy standing
- 5057. PHARMACOGENETICS. 3 cr.** The course will provide students with basic concepts in pharmacogenetics and the role of inheritance on inter-individual variation in drug response. Prerequisite: Second year pharmacy standing
- 5058. PHARMACY LEADERSHIP. 3 cr.** Introduction to leadership styles and skills with application through simulated cases and role play of simulated circumstances in the profession of pharmacy. Prerequisites: Second year pharmacy standing and consent of instructor.
- 5059. 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 topics. Prerequisites: Third year pharmacy standing
- 5060. RETAIL PHARMACY. 3 cr.** Managerial aspects in retail pharmacy practice with an emphasis on financial, operational, and human resource management. Prerequisites: PHRD 4031 and 4077.
- 5061. 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. Prerequisites: Third year pharmacy standing
- 5062. BASIC STRATEGIES FOR SCHOLARLY COMMUNICATION. 2 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: Second year pharmacy standing
- 5063. VETERINARY PHARMACOTHERAPY. 3 cr.** Pathogenesis, diagnosis, and rational therapeutic approaches to the treatment of selective disease states in companion animals. Prerequisites: Second year pharmacy standing
- 5064. PROBLEMS. 1-3 cr.** Individualized investigations of selected problems in pharmaceutical chemistry, pharmacognosy, pharmacology, clinical pharmacy, and pharmacy administration.
- 5065. CLINICAL PHARMACY CAREER DEVELOPMENT. 2 cr.** Introduction to clinical pharmacy careers with emphasis upon developing skills necessary for residencies. Prerequisite: Second or Third year pharmacy standing
- 5066. MEDICAL OUTREACH EXPERIENCE. 2 cr.** Introduction to various indigent populations worldwide with specific focus on the history, medical practices, healthcare availability, and current needs of one geographic area. Students will work with an interdisciplinary medical team during a medical outreach experience to that location. Prerequisite: credit or registration in PHRD 4058, 4074, 4081, 4083

- 5067. PROBLEMS IN THERAPEUTICS. 3 cr.** Student-centered small group sessions structured around patient cases on a variety of topics that demonstrate integration of pharmacy disciplines, important clinical and scientific principles and providing pharmaceutical care. Prerequisite: Third year pharmacy standing
- 6000. ADVANCED COMMUNITY PHARMACY PRACTICE EXPERIENCE. 6 cr.** This course allows students to apply the knowledge skills and attitudes necessary to provide pharmaceutical care in the community pharmacy setting. Prerequisites: Fourth year standing.
- 6002. ADVANCED INSTITUTIONAL PHARMACY PRACTICE EXPERIENCE. 6 cr.** This course allows students to apply the knowledge skills and attitudes necessary to provide pharmaceutical care and manage the pharmacy practice in the institutional setting. Prerequisites: Fourth year standing.
- 6004. ADVANCE AMBULATORY CARE PHARMACY PRACTICE EXPERIENCE. 6 cr.** Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in acute care settings. Prerequisites: Fourth year standing.
- 6005. PHARMACOTHERAPY FORUM. 3 cr.** This course is the culminating experience in the core curriculum; students who complete the capstone course must demonstrate their competence in writing, speaking, and engaging in meaningful research projects. Prerequisites: Fourth year standing.
- 6006. ADVANCED ADULT MEDICINE PHARMACY PRACTICE EXPERIENCE. 6 cr.** Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in acute care settings.
- 6008. ADVANCED SPECIALTY PHARMACY PRACTICE EXPERIENCE. 6 cr.** This course allows students to apply the knowledge skills and attitudes necessary to provide pharmaceutical care in the specialty pharmacy setting. Prerequisites: Fourth year standing.
- 6010. ADVANCED PHARMACY PRACTICE ELECTIVE EXPERIENCE I. 6 cr.** Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in various settings. Prerequisites: Fourth year standing.
- 6012. ADVANCED PHARMACY PRACTICE ELECTIVE EXPERIENCE II. 6 cr.** Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in various settings. Prerequisites: Fourth year standing.

## PHYSICAL SCIENCE (PSCI)

### For Undergraduates Only

- 1001. PHYSICAL SCIENCE I. 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 1002.
- 1002. PHYSICAL SCIENCE II. 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: credit in PSCI 1001.
- 1003. PHYSICAL SCIENCE LABORATORY I. 1 cr. each.** A laboratory course in introductory physical science to accompany 1001. Two hours of laboratory. Prerequisite: credit or registration in PSCI 1001
- 1004. PHYSICAL SCIENCE LABORATORY II. 1 cr. each.** A laboratory course in introductory physical science to accompany 1002. Two hours of laboratory. Prerequisite: credit or registration in PSCI 1002.

### For Undergraduates and Graduates

- 4092. GENERAL PHYSICAL SCIENCE. 1-6 cr. Maximum, 6 cr.** Special topic in physical science for teachers - general physical science. Prerequisite: approval of department head. (Formerly PSCI 491A)

- 4093. ENERGY. 1-6 cr. Maximum, 6 cr.** Special topic in physical science for teachers – energy. Prerequisite: approval of department head. (Formerly PSCI 491B)

## PHYSICS (PHYS)

### Undergraduate Requirements

Required for a minor: The PHYS 2007/20008 sequence or PHYS 2003/2004 sequence, PHYS 2009, PHYS 2010, PHYS 3003 and 7 additional hours of 3000/4000-level physics coursework. – Total of 18 semester hours.

### For Undergraduates Only

- 1050. INTEGRATED PHYSICS FOR EDUCATION MAJORS. 3 cr.** Basic concepts and principles of physics, in particular, force and motion, energy, light, fluids, electricity and magnetism. Personal applications of science, process skills, problem-solving, and discovery learning are also emphasized. Integrated lecture/lab format. For Elementary Education majors only. (Formerly SCIE 101)
- 2001. DESCRIPTIVE ASTRONOMY. 3 cr.** The astronomical universe from a non-mathematical viewpoint. Prerequisite: credit or registration in PHYS 2002.
- 2002. DESCRIPTIVE ASTRONOMY LABORATORY. 1 cr.** A laboratory course to accompany 2001. Two hours of laboratory. Prerequisite: credit or registration in PHYS 2001.
- 2003. GENERAL PHYSICS I. 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 1012 or 1013.
- 2004. GENERAL PHYSICS II. 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 2003.
- 2007. UNIVERSITY PHYSICS I. 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 1031. F
- 2008. UNIVERSITY PHYSICS II. 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 2007. Sp
- 2009. PHYSICS LABORATORY I. 1 cr.** Laboratory experiments in mechanics, sound, and heat to accompany 2003 or 2007. Prerequisite: credit or registration in PHYS 2003 or 2007.
- 2010. PHYSICS LABORATORY II. 1 cr.** Laboratory experiments in electricity, magnetism, and light to accompany PHYS 2004 or 2008. Prerequisite: Credit or registration in 2004 or 2008.
- 2020. 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.
- 2022. 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. Approval of the department head. Sp
- 3003. PHYSICAL THEORY. 3 cr.** Applications of calculus in physics including vectors, Newtonian mechanics, the work-energy principle, the kinetic theory of gases, RCL circuits, Gauss and Ampere laws, integral Maxwell equations, and introduction to modern physics. Prerequisites: PHYS 2004 or 2008; MATH 1031.
- 3004. BIOMECHANICS. 3 cr.** Principles of mechanics applied to the musculoskeletal anatomy including Applied Statics, Dynamics, Mechanics. Prerequisites: PHYS 2003 and PHYS 2009

- 3010. DIGITAL ELECTRONICS. 3 cr.** Digital electronics including gates, Boolean algebra, combinational logic, binary number operations, flip-flops, latches, and counters. Prerequisite: PHYS 2004 or 2008.
- 3014. 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 3010 or approval of department head.
- 3015. MECHANICS. 3 cr.** Application of the fundamental laws of mechanics to particles and rigid bodies. Prerequisites: PHYS 2004 or 2008; MATH 1031.
- 3017. ELECTRICITY AND MAGNETISM. 3 cr.** The theory of electricity and magnetism. Prerequisites: PHYS 2008, MATH 1032.
- 3022. ELEMENTARY MODERN PHYSICS. 3 cr.** Introduction to relativity, quantum effects, quantum mechanics, condensed matter, physics, nuclear physics, and high energy physics. Prerequisites: PHYS 2004 or 2008.
- 3092. THEORETICAL MECHANICS. 3 cr. each. Maximum, 6 cr.** Directed study. Investigative and advanced study in theoretical mechanics. Prerequisite: approval of department head. (Formerly PHYS 391A)
- 3093. ELECTRICAL CIRCUITS. 3 cr. each. Maximum, 6 cr.** Directed study. Investigative and advanced study in electrical circuits. Prerequisite: approval of department head. (Formerly PHYS 391B)
- 3094. MODERN PHYSICS. 3 cr. each. Maximum, 6 cr.** Directed study. Investigative and advanced study in modern physics. Prerequisite: approval of department head. (Formerly PHYS 391C)
- 3095. FLUID MECHANICS. 3 cr. each. Maximum, 6 cr.** Directed study. Investigative and advanced study in fluid mechanics. Prerequisite: approval of department head. (Formerly PHYS 391D)

#### For Undergraduates and Graduates

- 4001. THERMODYNAMICS AND STATISTICAL MECHANICS. 3 cr.** Principles and application of heat transfer and the laws of thermodynamics. Prerequisites: PHYS 2008; MATH 2032.
- 4005. BASIC PHYSICS LABORATORY. 1 cr.** Classical physics experiments in heat and thermodynamics, mechanics, optics, and electricity and magnetism. Three hours of laboratory. Prerequisites: PHYS 3015 and 4001.
- 4006. 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 4005.
- 4009. OPTICS. 3 cr.** Principles and applications of geometrical and physical optics. Prerequisites: PHYS 2008 and credit or registration in MATH 2032.
- 4010. 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.
- 4012. MATHEMATICAL PHYSICS. 3 cr.** Methods of formulation and solution of problems involving force fields as encountered in physical mechanics and electromagnetic theory. Prerequisite: PHYS 2008; MATH 2032.
- 4015. MECHANICS. 3 cr.** Language and Hamiltonian formulations, vibrational systems, and advanced general methods. Prerequisites: PHYS 3015; MATH 1032.
- 4017. ELECTRICITY AND MAGNETISM. 3 cr.** A theoretical treatment of electricity and magnetism with electromagnetic wave phenomena and Maxwell's Equations. Prerequisites: PHYS 3017 and credit or registration in MATH 2032.
- 4021. 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.
- 4024. ANALOG ELECTRONICS. 3 cr.** Discrete electronic components and circuits using them including resistors, capacitors, diodes, transistors, and operational amplifiers. Prerequisite: PHYS 2008 and MATH 1032.
- 4026. 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 4024.
- 4033. QUANTUM MECHANICS. 3 cr.** The development of introductory quantum theory from a phenomenological point of view with applications to atomic physics and chemistry. Prerequisite: PHYS 3022
- 4092. ADVANCED MECHANICS. 1-6 cr. Maximum, 6 cr. for undergraduates; Maximum, 3 cr. for graduates.** Directed study. Investigative and advanced study in advanced mechanics. Prerequisite: approval of department head. (Formerly PHYS 491A)
- 4093. ELECTROMAGNETIC FIELDS. 1-6 cr. Maximum, 6 cr. for undergraduates; Maximum, 3 cr. for graduates.** Directed study. Investigative and advanced study in electromagnetic fields. Prerequisite: approval of department head. (Formerly PHYS 491B)
- 4094. HEAT AND THERMODYNAMICS. 1-6 cr. Maximum, 6 cr. for undergraduates; Maximum, 3 cr. for graduates.** Directed study. Investigative and advanced study in heat and thermodynamics. Prerequisite: approval of department head. (Formerly PHYS 491C)
- 4095. QUANTUM MECHANICS. 1-6 cr. Maximum, 6 cr. for undergraduates; Maximum, 3 cr. for graduates.** Directed study. Investigative and advanced study in quantum mechanics. Prerequisite: approval of department head. (Formerly PHYS 491D)
- 4096. FLUID MECHANICS. 1-6 cr. Maximum, 6 cr. for undergraduates; Maximum, 3 cr. for graduates.** Directed study. Investigative and advanced study in fluid mechanics. Prerequisite: approval of department head. (Formerly PHYS 491E)

### POLITICAL SCIENCE (POLS) (FORMERLY GOVERNMENT-GOVM)

Required for a major: 1001, 2001, 2002, 3001 or 4014, and 4099. The remaining 21 hours may be taken in the areas of the student's choice. Total of 36 semester hours

Required for a minor: 1001, 2001, 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

- 1001. 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.
- 2001. AMERICAN NATIONAL GOVERNMENT. 3 cr.** Consideration of the nature of democracy, civil rights, federalism, the political process, the legislative, executive, and judicial branches, and current problems.
- 2002. STATE AND LOCAL GOVERNMENT. 3 cr.** An intensive study of state and local government, structural components, political process, and basic problems. Special emphasis on Louisiana government.
- 2003. AMERICAN GOVERNMENT. 3 cr.** Directed study in political science. Content varies. (Formerly POLS 200A) (Same as POLS 2001.)

- 3001. RESEARCH METHODS. 3 cr.** This course is designed to introduce political science majors to the scope and research methods of the discipline. Prerequisite: POLS 2001 or approval of instructor and department head.
- 4003. 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 4003.)
- 4004. 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 2001.
- 4007. 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 2001.
- 4021. 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 2001.
- 4023. 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.
- 4029. 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.
- 4044. MIDDLE EAST POLITICS. 3 cr.** A course that analyzes Middle East politics beginning with World War I to the present. Major issues include the Arab-Israeli Conflict, water policy, oil politics, Arab Nationalism, Zionism. Nationalities and sub-national movements in the regions of Turkey, the Near Middle East, North Africa and the Persian Gulf will serve as illustrative material. Issues such as modernization, democratization, multilateralism, liberalization, terrorism, free-trade and women's rights will be considered. Prerequisite: POLS 2001.
- 4057. CONTEMPORARY POLITICAL THOUGHT. 3 cr.** Political thought of the twentieth century; liberalism, modern totalitarianism, conservatism, Freudianism, existentialism, and democracy.
- 4063. 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 2001.
- 4064. INTERNSHIP IN POLITICAL SCIENCES. 3 cr. May be repeated for a maximum of 6 credits.** 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 2001 (Same as SOCL 4064)
- 4070. 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 1001. (Same as SOCL 4070)
- 4071. SOCIAL STATISTICS. 3 cr.** Statistical procedures appropriate to the measurement and analysis of social data. Prerequisite: POLS 1001 (Same as SOCL 4051)
- 4092. NATIONAL, STATE AND LOCAL. 1-3 cr.** Directed study and/or research in selected areas of government. Prerequisite: Advanced standing, approval of department head, and permission of the instructor. (Formerly POLS 491A)
- 4093. PUBLIC ADMINISTRATION AND LAW. 1-3 cr.** Directed study and/or research in selected areas of government. Prerequisite: Advanced standing, approval of department head, and permission of the instructor. (Formerly POLS 491B)
- 4094. POLITICAL THEORY. 1-3 cr.** Directed study and/or research in selected areas of government. Prerequisite: Advanced standing, approval of department head, and permission of the instructor. (Formerly POLS 491C)
- 4095. INTERNATIONAL RELATIONS. 1-3 cr.** Directed study and/or research in selected areas of government. Prerequisite: Advanced standing, approval of department head, and permission of the instructor. (Formerly POLS 491D)
- 4096. COMPARATIVE. 1-3 cr.** Directed study and/or research in selected areas of government. Prerequisite: Advanced standing, approval of department head, and permission of the instructor. (Formerly POLS 491E)
- 4097. POLITICAL PROCESSES. 1-3 cr.** Directed study and/or research in selected areas of government. Prerequisite: Advanced standing, approval of department head, and permission of the instructor. (Formerly POLS 491F)
- 4099. 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

- 4006. 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 2001.
- 4013. 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 2001 or approval of department head and permission of the instructor.
- 4014. 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 2001 or approval of department head and permission of the instructor.
- 4017. 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 2001.
- 4018. CONSTITUTIONAL LAW AND CRIMINAL JUSTICE. 3 cr.** Study of constitutional law and its applicability in the criminal justice system. Prerequisite: 2001. (Same as CJUS 4018) (Formerly GOVM 4021.)
- 4020. LOUISIANA GOVERNMENT AND POLITICS. 3 cr.** Development and organization of political processes in Louisiana; contemporary problems of Louisiana state and local governments.

- 4033. THE JUDICIAL PROCESS. 3 cr.** Structure, functions, and operations of the judiciary. Prerequisite: 2001. 4040. COMPARATIVE. 3 cr. The structure, theory, organization, and methods of control in the governments of the major European powers; recent political trends. Prerequisite: 2001.
- 4041. 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.
- 4050. 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.
- 4053. 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.
- 4054. 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 2001.
- 4061. 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 2001.
- 4065. 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 2001.

## PORTUGUESE (PORT)

### For Undergraduates Only

- 1001. ELEMENTARY PORTUGUESE I. 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.
- 1002. ELEMENTARY PORTUGUESE II. 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: 2001, 2003 or 2078, 3003, 3039, 4000, 4007, 4011, 4039, 4099, and 5 courses selected from the following 11 alternatives: 3015, 3016, 3019, 3025, 3060, 4001, 4002, 4003, 4004, 4006, 4050 and 4051 — Total of 42 semester hours.

Required for a minor: 2001, 3015 or 3016, and 12 additional hours, at least 9 hours of which must be numbered 3000 or higher — Total of 18 semester hours.

### For Undergraduates Only

- 2001. INTRODUCTION TO PSYCHOLOGY. 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
- 2003. 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 2001. F, Sp, Su
- 2005. 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 2001. F, Sp, Su
- 2078. DEVELOPMENTAL PSYCHOLOGY. 3 cr.** Human life-span developmental psychology emphasizing an integrative conceptualization of the totality of ontogenetic, behavioral and physiological changes. Prerequisite: PSYC 2001. F, Sp, Su
- 3001. 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 2001. F, Sp, Su
- 3003. 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 2001; BIOL 2026 or equivalent. F
- 3015. LEARNING AND MOTIVATION. 3 cr.** Principles of learning and related principles of motivation and memory, with emphasis on scientific method and experimental findings. Prerequisite: PSYC 2001. F, Sp
- 3016. SENSATION AND PERCEPTION. 3 cr.** Human sensory processes and perception, with emphasis on scientific method and experimental findings. Prerequisite: PSYC 2001. F, Sp
- 3018. PERCEPTION LABORATORY. 1 cr.** A laboratory to accompany PSYC 3016. Three hours laboratory.
- 3019. 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 2001. F, Sp
- 3025. 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. Prerequisite: PSYC 2001. F, Sp
- 3039. 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 2001. F, Sp, Su
- 3060. POSITIVE PSYCHOLOGY. 3cr.** Scientific study and promotion of human strength, virtues, and resources that enable individuals/communities to thrive and achieve their higher potentials. Prerequisite: PSYC 2001.

- 4000. 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.
- 4001. ABNORMAL PSYCHOLOGY. 3 cr.** Nature of mental and emotional disorders with their underlying determinants. Prerequisite: PSYC 2001. F, Sp, Sum
- 4002. 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 4002.) Prerequisites: PSYC 2001, SOCL 1001. F
- 4003. 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 multicultural settings. Prerequisite: PSYC 2001, 2003. (Formerly The Exceptional Child.) Su
- 4004. 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. Prerequisite: junior status or higher.
- 4006. PERSONALITY. 3 cr.** Development, dynamics, and processes in the structure of personality. Prerequisite: PSYC 2001. Students with prior credit in PSYC 4027 are not eligible to receive credit in PSYC 4006. F, Sp, Sum
- 4007. 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 2001 and six hours of psychology above 3000. F, Sp, Su
- 4010. 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 2001, BIOL 2026. Sp
- 4011. ADVANCED TOPICS. 3 cr.** A study of theoretical issues in experimental and applied areas of psychology. Prerequisite: 12 hours of psychology. F, Sp, Su
- 4039. STATISTICS. 3 cr.** Statistical techniques needed in the study, interpretation, and preparation of educational and psychological research. Prerequisite: junior status or higher; Math 1011 (College Algebra) or its equivalent. F, Sp, Su
- 4050. 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 2001, BIOL 2026 or equivalent.
- 4051. PSYCHOLOGICAL TESTING AND MEASUREMENT. 3 cr.** The theory and rationale underlying the definition and measurement of human traits, abilities, and behaviors. Prerequisite: PSYC 4039 recommended. Sp
- 4098. UNDERGRADUATE PSYCHOLOGY INTERNSHIP. 3 cr.** May be repeated for a maximum of 6 credits Maximum 6 cr. Internships provide a sturdy foundation for further study and/or future employment in the field of psychology. Students may enroll once per semester for a maximum of two semesters and earn 3 semester hours each time they enroll. The internship is graded on a credit-no credit basis. Prerequisites: Junior or senior status with at least 21 hours credit in the psychology curriculum) and approval from the department head.
- 4099. 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.

## QUANTITATIVE METHODS (QMDS)

For Undergraduates Only

- 2010. 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 1016 and CSCI 1070. F, Sp, Su

## RADIOLOGIC TECHNOLOGY (RADT)

Required for a major: 2000, 3003, 3008, 3009, 3010, 3011, 3015, 3016, 3017, 3018, 3019, 3020, 3021, 3024, 3026, 3027, 3028, 4000, 4005, 4011, 4012, 4013, 4019, 4020, 4025, 4027, 4032, 4035—Total of 69 semester hours.

For Undergraduates Only

- 2000. FUNDAMENTALS OF MEDICAL IMAGING. 2cr.** An overview of the foundations in imaging sciences and the practitioner's role in the health care delivery system. F, Sp
- 3003. RADIOGRAPHIC PROCESSING TECHNIC. 2 cr.** The fundamentals of processing technics: chemistry, equipment, and methods of automatic processing. Prerequisite: RATE standing. F
- 3008. ETHICS, DIVERSITY, AND LAW. 2 cr.** Principles of diversity and ethics, as well as the procedures and policies within medical law that regulate imaging professionals. Prerequisite: RATE standing. Sp
- 3009. METHODS OF PATIENT CARE. 2 cr.** General patient care, principles of body mechanics, and specific nursing procedures related to radiologic technology. Prerequisite: RATE standing. F
- 3010. PATIENT CARE LABORATORY. 1cr.** A laboratory course to accompany RADT 3009. Prerequisite: RATE standing. F
- 3011. IMAGING EQUIPMENT AND RADIATION PRODUCTION. 3cr.** Introduction to the systems, components, and processes of x-ray production, x-ray interaction with matter, and radiation protection. Prerequisite: RATE standing. F
- 3015. CLINICAL RADIOGRAPHY. 4 cr.** Sixteen hours per week of supervised clinical experience in an approved medical center. Prerequisites: RATE standing. F
- 3016. RADIOGRAPHIC PROCEDURES I. 3cr.** The principles and skills involved in routine radiographic positioning to demonstrate the thoracic/abdominal cavities, and extremities and associated girdles. Prerequisite: RATE standing. F
- 3017. RADIOGRAPHIC PROCEDURES LABORATORY I. 1cr.** A laboratory course to accompany RADT 3016. Prerequisite: RATE standing. F
- 3018. RADIOGRAPHIC PROCEDURES II. 3cr.** The principles and skills involved in routine radiographic positioning to demonstrate the vertebral column, cranium, gastrointestinal tract, and urinary system. Prerequisite: RATE standing. Sp
- 3019. RADIOGRAPHIC PROCEDURES LABORATORY II. 1 cr.** A laboratory course to accompany RADT 3018. Prerequisite: RATE standing. Sp
- 3020. RADIOGRAPHIC EXPOSURE. 1 cr.** Radiographic exposure principles: prime factors, factors influencing radiographic quality, beam restricting devices and attenuating devices. Prerequisite: RATE standing. Sp
- 3021. RADIOGRAPHIC EXPOSURE LABORATORY. 1 cr.** A laboratory course to accompany 3020. Prerequisite: RATE standing. Sp
- 3024. CLINICAL RADIOGRAPHY. 4 cr.** Sixteen hours per week of supervised clinical experience in an approved medical center. Prerequisites: RATE standing. Sp

- 3026. DIGITAL IMAGING. 2 cr.** Systems, components, and processes required for digital radiography and computed radiography; including charge-coupled devices, flatpanel detectors, photostimulable plates, and PACS. Prerequisite: RATE standing. Sp
- 3027. CLINICAL RADIOGRAPHY. 4 cr.** Thirty-five hours per week of supervised clinical experience in an approved medical center. Prerequisite: RATE standing. S
- 3028. CLINICAL RADIOGRAPHY. 4 cr.** Thirty-five hours per week of supervised clinical experience in an approved medical center. Prerequisite: RATE standing. S
- 4000. RESEARCH METHODS AND INFORMATION LITERACY. 3 cr.** Intellectual inquiry, information literacy, and the use of scholarly research methods specific to imaging sciences. Prerequisite: RATE or DLRT standing. F
- 4005. RADIOBIOLOGY. 2 cr.** Fundamentals of radiation biology with special emphasis on clinical aspects, including dosage, common pathologies, and protective measures. Prerequisite: RATE standing. Sp
- 4011. ADVANCED RADIOGRAPHIC PROCEDURES. 2cr.** The principles and skills involved in advanced radiographic procedures. Prerequisite: RATE standing. F
- 4012. ADVANCED RADIOGRAPHIC PROCEDURES LABORATORY. 1cr.** A laboratory course to accompany RADT 4011. Prerequisite: RATE standing. F
- 4013. ADVANCED CLINICAL RADIOGRAPHY. 6 cr.** Twenty-one hours per week of supervised clinical experience in an approved medical center. Prerequisites: RATE standing. F
- 4019-4020. PATHOLOGY. 2 cr. each.** A general survey of medical and surgical diseases related to diagnostic radiography. Prerequisite: RATE standing. F, Sp
- 4025. RADIOLOGIC OPERATIONS. 2 cr.** Principles and problems in administrative functions, supervision of radiology departments, personnel guidance, productivity and budget. Prerequisite: RATE or DLRT standing. Sp
- 4027. ADVANCED IMAGING. 2 cr.** Generators, digital image manipulation and controls, digital fluoroscopy, and subtraction radiography. Introduction to Ultrasound, MRI, and Nuclear Medicine image acquisition. Prerequisite: RATE or DLRT standing. F
- 4030. VASCULAR / INTERVENTIONAL PROCEDURES. 3 cr.** Principles and skills involved in vascular / interventional procedures. Prerequisite: DLRT standing. F,Sp,S
- 4032. ADVANCED CLINICAL RADIOGRAPHY. 6 cr.** Twenty-one hours per week of supervised clinical experience in an approved medical center. Prerequisites: RATE standing. Sp
- 4035. COMPUTED TOMOGRAPHY. 2 cr** Content is designed to provide entry-level radiography students with principles related to computed tomography (CT) and multiplanar imaging. Prerequisite: RATE or DLRT standing. Sp
- 4050. 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: RATE standing. Sp
- 4056. DIRECTED STUDY: DIAGNOSTIC RADIOLOGY. 3 cr.** Individual investigation of selected problems in the Radiological Sciences. Content varies. Prerequisite: DLRT standing. F, Sp, S (Formerly RADT 455A)
- 4057. DIRECTED STUDY: THERAPEUTIC RADIOLOGY. 3 cr.** Individual investigation of selected problems in Therapeutic Radiology. Prerequisite: DLRT standing. F, Sp, S (Formerly RADT 455B)
- 4058. DIRECTED STUDY: NUCLEAR MEDICINE. 3 cr.** Individual investigation of selected problems in the Radiological Sciences. Content varies. Prerequisite: DLRT standing. F, Sp, S (Formerly RADT 455C)
- 4059. ULTRASONOGRAPHY. 3 cr.** Individual investigation of selected problems in Ultrasonography. Prerequisite: DLRT standing. F, Sp, S (Formerly RADT 455D)
- 4060. DIRECTED STUDY: QUALITY ASSURANCE. 3 cr.** Individual investigation of selected problems in the Radiological Sciences. Content varies. Prerequisite: DLRT standing. F, Sp, S (Formerly RADT 455E)
- 4061. DIRECTED STUDY: COMPUTERS IN RADIOLOGY. 3 cr.** Individual investigation of selected problems in the Radiological Sciences. Content varies. Prerequisite: DLRT standing. F, Sp, S (Formerly RADT 455F)
- 4062. DIRECTED STUDY: COMPUTERIZED TOMOGRAPHY (CT). 3 cr.** Individual investigation of selected problems in the Radiological Sciences. Content varies. Prerequisite: DLRT standing. F, Sp, S (Formerly RADT 455I)
- 4063. DIRECTED STUDY: MAGNETIC RESONANCE IMAGING. 3 cr.** Individual investigation of selected problems in the Radiological Sciences. Content varies. Prerequisite: DLRT standing. F, Sp, S (Formerly RADT 455J)
- 4064. DIRECTED STUDY: VASCULAR AND INTERVENTIONAL RADIOGRAPHY. 3 cr.** Individual investigation of selected problems in the Radiological Sciences. Content varies. Prerequisite: DLRT standing. F, Sp, S (Formerly RADT 455K)
- 4065. DIRECTED STUDY: MAMMOGRAPHY. 3 cr.** Individual investigation of selected problems in the Radiological Sciences. Content varies. Prerequisite: DLRT standing. F, Sp, S (Formerly RADT 455L)
- 4066. DIRECTED STUDY: SUPERVISION AND EDUCATION. 3 cr.** Individual investigation of selected problems in the Radiological Sciences. Content varies. Prerequisite: DLRT standing. F, Sp, S (Formerly RADT 455M)

## READING (READ)

### For Undergraduates Only

- 1001. READING ENHANCEMENT. 3 cr.** Development of enhanced reading skills in vocabulary, comprehension, and speed. May be repeated for a maximum of 6 credits.
- 3021. READING IN THE PRIMARY GRADES. 3 cr.** Materials and methods for beginning reading instruction. Must be admitted to Teacher Education. F, Sp
- 3022. 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
- 4022. LITERACY INTERVENTIONS FO RADOLESCENTS. 3 cr.** Teaches secondary education majors to integrate reading, writing, speaking, and listening strategies and activities into adolescent reading instruction. Must be admitted to Teacher Education
- 4081. 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.

### For Undergraduates and Graduates

- 4019. TEACHING READING – FOR SECONDARY TEACHERS. 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. Prerequisite: approval of instructor. (Formerly READ 418A)
- 4020. TEACHING READING – FOR ELEMENTARY TEACHERS. 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. Prerequisite: approval of instructor. (Formerly READ 418B)

## SOCIAL SCIENCE (SSCI)

### Undergraduate Requirements

Required for a major in Secondary Education - Social Studies: Economics 2001, 2002; Geography 1001, 1002, 3001; Geography 4011 or History 4039; Political Science 2001, 2002; History 1011-1012, 2001, 2002, 3005; Sociology 1001, 2003; Political Science 4013 or History 4008; Political Science 4014 or History 4050. Total of 51 semester hours.

Required for a minor in Secondary Education - Social Studies: Geography 1001, Political 2001, History 1011-1012, 2001, 2002, 3005. 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 1001, 1002, 2005, 3001, 3003, 3005, 3015, 4016, 4021, 4022, 6 hours of Social Work electives and Sociology 4050 and a grade of "C" or higher in all courses required for a major—Total of 39 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

- 1001. 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.
- 1002. 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.
- 2005. 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. Students are required to volunteer 30 clock hours in an agency approved by the classroom instructor. Prerequisites: SOCW 1001 and 1002 or approval of department head and/or instructor.
- 3001. 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 1001, 1002, and 2005 and Social Work major.
- 3003. 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. Prerequisites: SOCW 1001, 1002 and Social Work or Pre-Social Work major. Offered to non-majors who have completed the University core English composition, humanities, social sciences requirements with the permission of department head and/or instructor.
- 3005. HUMAN BEHAVIOR AND SOCIAL ENVIRONMENT II. 3 cr.** An introduction to knowledge, theories, and concepts about human behavior from the perspective of mezzo systems interactions with micro and macro systems. Prerequisite: SOCW 1001;1002; and 2005 and Social Work or Pre-Social Work major. Offered to non-majors who have completed the University core English composition, humanities, social sciences requirements with the permission of department head and/or instructor.
- 3015. PRACTICE I. 3 cr.** The focus of this course is to enhance and develop the skills necessary for generalist social work practice with micro and mezzo client systems. Utilization of an ecological systems approach to assessing and addressing problems in living is examined. The impact of human diversity on the practice intervention is emphasized. Prerequisites: SOCW 2005 and 3001 and Social Work major.
- 3020. FUNDAMENTALS OF CASE MANAGEMENT. 3 cr.** This course introduces students to the concept of case management and how it is used to provide human services. Students will explore the many factors affecting case management today including federal legislation, emerging client groups, technology, shifting demographics, new service delivery models, and the resulting ethical and legal dilemmas. Pre-requisites: SOCW 1001, 1002 and Social Work or Pre-Social Work major. Offered to non-majors who have completed the University core English composition, humanities, social sciences requirements with the permission of department head and/or instructor.
- 4004. 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. Prerequisites: Junior level standing or permission of the department head and/or the instructor.
- 4005. DIFFERENTIAL DIAGNOSIS. 3 cr.** An organized introduction to and synopsis of the criteria for understanding and interpreting individual diagnoses in the DSM-IV and other diagnostic tools related to the functionality of human behavior in the context of diverse social systems. Prerequisites: PSYC 2001 and 4001 and junior standing.
- 4015. QUALITATIVE RESEARCH IN SOCIAL WORK PRACTICE. 3 cr.** This course is intended to provide the students with the basic skills needed to do qualitative research. This course examines special problems in social work and human service provision using qualitative research methods. Prerequisites: junior standing or approval of department head and/or instructor.
- 4016. 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 4021 and 4022. Social Work majors only.

- 4021. 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 1000 and 2000 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 4016 and 4022. one additional course may be taken during this semester. Social Work majors only.
- 4022. FIELD EDUCATION SEMINAR. 3 cr.** To be taken by all students enrolled in SOCW 4021, 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. Social Work majors only.
- 4035. 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.

#### For Undergraduates and Graduates

- 4001. 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. Prerequisites: Junior standing or by approval of department head and/or instructor.
- 4003. 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. Prerequisites: Junior level standing or permission of the department head and/or the instructor.
- 4008. CHILD ABUSE RECOGNITION AND TREATMENT. 3 cr.** 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. This course identifies characteristics of victims and abusers. Students may not receive credit for both PSYC 4041 and SOCW 4008. (Formerly 406) Prerequisites: Junior standing or approval of department head and/or instructor.,
- 4010. HUMAN SERVICES IN A RURAL ENVIRONMENT. 3 cr.** This course examines human services in rural environments, stressing the social and cultural factors that affect the delivery of services in rural environments. Focus is on the practice skills and resource knowledge base needed by the helping professional to be most effective working with the rural micro, mezzo, and macro client systems. Prerequisites: Junior standing or approval of the department head and/or instructor.
- 4011. 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 4011.) Prerequisites: Junior level standing or permission of the department head and/or instructor.
- Students may choose to complete a minor as part of their free electives.
- For Undergraduates Only**
- 1001. INTRODUCTION TO SOCIOLOGY. 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 1002 and 3000C.)
- 1002. INTRODUCTION TO SOCIOLOGY: 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 1001 and 3000C.)
- 2003. SOCIAL PROBLEMS. 3 cr.** Individual, family, and community disorganization. Attention is given to social planning, reconstruction, and problems of minorities.
- 2007. CULTURAL ANTHROPOLOGY. 3 cr.** A comparative study of the life and organization of human groups throughout the world, with an emphasis on traditional societies.
- 2026. 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 2026 )
- 2033. 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 2033).
- 3005. 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.
- 3010. 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.
- 3025. 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.
- 4008. 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 1001.
- 4016. 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.
- 4018. 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 4070.
- 4036. 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.
- 4039. FIELD STUDIES OF FOREIGN AREAS: WESTERN EUROPE. 3 cr.** Extended field study tours of major foreign areas of the world. May not be repeated. (Formerly SOCL 442A)
- 4040. FIELD STUDIES OF FOREIGN AREAS: NORTHERN EUROPE. 3 cr.** Extended field study tours of major foreign areas of the world. May not be repeated. (Formerly SOCL 442B)
- 4041. FIELD STUDIES OF FOREIGN AREAS: SOUTH PACIFIC. 3 cr.** Extended field study tours of major foreign areas of the world. May not be repeated. (Formerly SOCL 442C)

## SOCIOLOGY (SOCL)

Required for a major: Sociology 1001, 4036, 4070, 4071; and 24 additional hours in Sociology—Total of 36 semester hours.

Required for a minor: 1001, 4050, and 12 additional hours in Sociology—Total of 18 semester hours.

- 4064. 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 2003. (Same as POLS 4064)
- 4099. 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.
- 4144. FIELD STUDIES OF FOREIGN AREAS: FAR EAST. 3 cr.** Extended thematic field study outside the United States with guest lectures, tours, and assigned readings. May not be repeated for credit. (Formerly SOCL 444A)
- 4145. FIELD STUDIES OF FOREIGN AREAS: MIDDLE EAST. 3 cr.** Extended thematic field study outside the United States with guest lectures, tours, and assigned readings. May not be repeated for credit. (Formerly SOCL 444B)
- 4146. FIELD STUDIES OF FOREIGN AREAS: LATIN AMERICA. 3 cr.** Extended thematic field study outside the United States with guest lectures, tours, and assigned readings. May not be repeated for credit. (Formerly SOCL 444C)
- 4147. FIELD STUDIES OF FOREIGN AREAS: EUROPE. 3 cr.** Extended thematic field study outside the United States with guest lectures, tours, and assigned readings. May not be repeated for credit. (Formerly SOCL 444D)
- 4148. FIELD STUDIES OF FOREIGN AREAS: ENGLAND. 3 cr.** Extended thematic field study outside the United States with guest lectures, tours, and assigned readings. May not be repeated for credit. (Formerly SOCL 444E)
- 4149. REGIONAL UNITED STATES FIELD STUDIES: NORTH. 3 cr.** Extended thematic field study within the United States with guest lectures, tours, and assigned readings. May not be repeated for credit. (Formerly SOCL 447A)
- 4150. REGIONAL UNITED STATES FIELD STUDIES: SOUTH. 3 cr.** Extended thematic field study within the United States with guest lectures, tours, and assigned readings. May not be repeated for credit. (Formerly SOCL 447B)
- 4151. REGIONAL UNITED STATES FIELD STUDIES: EAST. 3 cr.** Extended thematic field study within the United States with guest lectures, tours, and assigned readings. May not be repeated for credit. (Formerly SOCL 447C)
- 4152. REGIONAL UNITED STATES FIELD STUDIES: WEST. 3 cr.** Extended thematic field study within the United States with guest lectures, tours, and assigned readings. May not be repeated for credit. (Formerly SOCL 447D)
- For Undergraduates and Graduates**
- 4002. 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 4002)
- 4004. MEDICAL SOCIOLOGY. 3 cr.** An analysis of human adaptation to illness, the sick role, social organization of medical institutions, and the sociology of death.
- 4005. 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 4005.)
- 4006. 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.
- 4007. 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.
- 4012. 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.)
- 4015. 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 4015.)
- 4019. 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 3000D.)
- 4022. 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 3007 or approval of department head. (Same as ANTG 4022.)
- 4024. 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 4024.)
- 4025. 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 4025)
- 4030. 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 4030)
- 4035. 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 4035)
- 4043. SOCIOLOGY OF SPORTS, RECREATION, AND LEISURE. 3 cr.** The structure and functions of sports and recreation in fulfilling leisure pursuits in American society.
- 4052. 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 4052)
- 4055. 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.
- 4070. 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 1001. (same as POLS 4070) Formerly SOCL 4050.
- 4071. SOCIAL STATISTICS. 3 cr.** The Statistical procedures appropriate to the measurement and analysis of social data. Prerequisite: SOCL 1001. (same as POLS 4071) Formerly SOCL 4051.
- 4090. 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.

## SPANISH (SPAN)

Required for a Modern Languages major - Spanish Concentration—Total of 30 semester hours beyond 1001-1002, including 2031, 3011, and 3 hours to be chosen from 3012, 3013, or 3014.

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 2031, 3011, and 3012. Teacher certification in this minor area requires 30 credit hours or the Praxis content specialty exam.

Global Studies Concentration: 33 hours. Required courses: ECON 2001, 2002, 3013; ACCT 1010, MKTG 3001, 4001. 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

- \*1001. ELEMENTARY SPANISH I. 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.
- \*1002. ELEMENTARY SPANISH II. 3 cr.** A continuation of the study of Spanish on the elementary level. Prerequisite: A "C" or better in SPAN 1001 or permission of the department head.
- 1003. 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. Prerequisite: a "C" or better in SPAN 1001 or permission of department head.
- 1004. SPANISH FOR PROFESSIONS. 3 cr.** An introduction to the vocabulary, terminology, and structures for developing basic Spanish skills for professions. Prerequisite: SPAN 1002 or equivalent. (May not be used as part of a major or minor in Spanish.)
- \*1005. ELEMENTARY SPANISH I AND II. 6 cr.** Same as Spanish 1001 and 1002.
- 1097, 1098, 1099. BEGINNING SPANISH. 1 cr. each.** Independent reading, grammar, and/or conversation on the elementary level. Prerequisite: SPAN 1002 or 1005.
- 2001. INTERMEDIATE SPANISH I. 3 cr. each.** A continuation on the intermediate level of study begun in 1001-1002 with an emphasis on the grammar, reading, and conversation. Work in the computerized Language Learning Center is required. Prerequisite: SPAN 1002 or 1005.
- 2002. INTERMEDIATE SPANISH II. 3 cr. each.** A continuation on the intermediate level of study begun in 1001-1002 with an emphasis on the grammar, reading, and conversation. Work in the computerized Language Learning Center is required. Prerequisite: SPAN 1002 or 1005.
- 2005. INTERMEDIATE SPANISH I AND II. 6 cr.** Same as Spanish 2001 and 2002. Prerequisite: a "C" or better in SPAN 1002 or department head approval.
- 2006. SPANISH READING AND COMPOSITION. 3 cr.** Review of basic grammatical concepts and an introduction to reading literary and cultural texts. Prerequisite: SPAN 2002 or 2005.
- 2010. 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 2002 or 2005.
- 2031. 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 2002 or 2005.

- 3001. SURVEY OF SPANISH AMERICAN LITERATURE. 3 cr.** An introduction to the outstanding writers of Spanish America from pre-Colombian to modern times. Prerequisite: SPAN 2002, 2005 or permission of department head.
- 3007-3008. SURVEY OF SPANISH LITERATURE. 3 cr. each.** Selection from the outstanding authors of Spain. Prerequisite: SPAN 2002 or 2005.
- 3011. PHONETICS. 3 cr.** An introduction to the Spanish phonetic system with emphasis on pronunciation practice in the language learning facility. Prerequisite: SPAN 1002 or the equivalent.
- 3012. 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 2002 or 2005.
- 3013. 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 2002 or 2005.
- 3014. 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 2002 or 2005.
- 3021, 3022, 3023. 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 2002 or 2005.

#### For Undergraduates and Graduates

- 4002. 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 2002 or 2005.
- 4005. ADVANCED ORAL LANGUAGE DEVELOPMENT. 3 cr. Maximum 6 cr.** The refinement of conversational skills utilizing the language learning center and classroom activities. Prerequisite: SPAN 2002 or 2005.
- 4006. ADVANCED SPANISH SYNTAX. 3 cr.** An analysis of the more complex and problematic areas of Spanish grammar and vocabulary usage. Prerequisite: SPAN 2031 or equivalent.
- 4007. 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 2002 or 2005 or permission of department head.
- 4008. 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 2002 or 2005 or permission of department head.
- 4015. CONTEMPORARY SPANISH LITERATURE. 3 cr.** Extensive reading of authors of the Generation of 1898 and of the Twentieth Century. Prerequisite: SPAN 2002 or 2005
- 4025. 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, but may not be repeated for more than a total of 12 hrs. undergraduate and graduate combined. Prerequisite: SPAN 2002 or 2005
- 4074. SECOND LANGUAGE ACQUISITION. 3 cr.** The application of second language acquisition theory in the classroom. Prerequisite: Spanish/French 2005
- 4075. LANGUAGE, CULTURE AND THE CLASSROOM. 3 cr.** The application of second language acquisition theory in the elementary or secondary classroom. Same as French 4075. Prerequisite: SPAN 2005

## SPECIAL EDUCATION (SPED)

### For Undergraduates Only

- 2002. 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) Prerequisite: Must be admitted to Teacher Education and pass all applicable parts of PRAXIS.
- 3010. BEHAVIOR SUPPORT AND INTERVENTIONS. 3 cr.** Methods and techniques for effective behavior management and classroom organization to meet the unique needs of diverse students with exceptionalities. Must be admitted to Teacher Education.
- 4015. INSTRUCTIONAL PRACTICES IN SPECIAL EDUCATION. 3 cr.** Course develops educator competencies for teaching academic/social skills to special students and in developing tiered intervention plans for inclusive settings. Must be admitted to Teacher Education.
- 4020. ASSESSMENT AND EVALUATION FOR SPECIAL LEARNERS. 3 cr.** Develops assessment skills for instructional planning to meet the educational needs of diverse learners with mild/moderate disabilities. Addresses formal and informal assessments. Must be admitted to Teacher Education.
- 4025. COLLABORATIVE TEAMING AND TRANSITION. 3 cr.** Teaches secondary education majors to integrate reading, writing, speaking, and listening strategies and activities into adolescent reading instruction. Must be admitted to Teacher Education.
- 4063. 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.
- 4064. 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.
- 4065. 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.

## SPEECH-LANGUAGE PATHOLOGY (SPLP)

(Formerly Communicative Disorders)

### Undergraduate Requirements

Required for a major in Speech-Language Pathology: 1013, 1052, 2001, 2002, 4001, 4002, 4003, 4004, 4028, and 4033. — Total of 30 semester hours.

### For Undergraduates Only

- 1013. 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.
- 1052. SPEECH AND LANGUAGE ACQUISITION. 3 cr.** The development of speech in children in the family and the effects of culture on language.
- 2001. ANATOMY, PHYSIOLOGY AND NEUROLOGY. 3 cr.** Principles of the anatomy and physiology of the neurological, respiratory, phonatory, articulatory, and hearing mechanisms with focus on normal systems.

- 2002. SPEECH AND LANGUAGE SCIENCE. 3 cr.** The production, transmission and perception of acoustic signals in speech communication; and principles of linguistic analysis including phonology, semantics, morphology, syntax and pragmatics.
- 2020. 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.
- 4001. PHONETICS. 3 cr.** Correct sound pronunciation; phonetic transcription rules through application of the International Phonetic Alphabet to General American English and other varieties. Prerequisites SPLP 1013, 1052, 2001, 2002.
- 4002. DIAGNOSTIC AND TREATMENT PROCEDURES. 3 cr.** Provide students with principles of assessment and treatment including the instruments, procedures, and report writing skills utilized in diagnosing and reporting speech, language, and hearing disorders. Focus is on practical skills development to administer and score tests or articulation and language as well as management of communicatively disordered clients. Prerequisites: SPLP 1013, 1052, 2001, 2002, 4001, 4028, 4033
- 4003. AUDIOLOGY/AURAL REHAB. 3 cr.** The nature of deafness and hard of hearing problems. Focus is on professional procedures facilitating adequate communication in persons with hearing impairments. Prerequisites: SPLP 1013, 1052, 2001, 2002.
- 4004. MULTICULTURAL ISSUES IN CLINICAL SERVICE DELIVERY. 3 cr.** Issues related to providing culturally least-biased services to those with communication disorders and differences. Focus is on theories and methods of clinical counseling. Prerequisites: SPLP 1013, 1052, 2001, 2002.
- 4028. ARTICULATION DISORDERS. 3 cr.** Types, causes, symptoms, and therapy for articulatory defects in speech. Prerequisite: 4017, 4018, or consent of instructor.
- 4033. LANGUAGE PATHOLOGY. 3 cr.** Language acquisition, language disorders of reception and expression, and habilitation methodologies in learning. Prerequisite: 1052 or consent of instructor.
- 4076. 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
- 4092. DIRECTED STUDY: SPEECH PATHOLOGY. 1-3 cr.** Directed study in Speech Pathology. May be repeated for a total of 6 credits. Prerequisite: approval of department head. (Formerly SPLP 491A)
- 4093. DIRECTED STUDY: LANGUAGE PATHOLOGY. 1-3 cr.** Directed study in Language Pathology. May be repeated for a total of 6 credits. Prerequisite: approval of department head. (Formerly SPLP 491B)
- 4094. DIRECTED STUDY: AUDIOLOGY. 1-3 cr.** Directed study in Audiology. May be repeated for a total of 6 credits. Prerequisite: approval of department head. (Formerly SPLP 491C)

### For Undergraduates and Graduates

- 4044. STRUCTURE OF THE ENGLISH LANGUAGE. 3 cr.** The principles of English linguistics including phonology, syntax, and pragmatics with a focus on meaning and structure. Prerequisite: approval of department head

## THEATRE (THEA)

Required for a minor in Theatre: Theatre 1005, 1010, 2021, 4009 (11); Dance 1028; 4 additional hours from a 2000-level course in Theatre or Dance; 6 additional hours from a 3000- or 4000-level course in Theatre or Dance. Total of 21 hours.

**For Undergraduates Only**

- 1000. CAREER PLANNING. 0 cr.** Teaches the basics of the theatre business to include resume and portfolio preparation, personal record keeping and career paths. F
- 1005. 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
- 1010. 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
- 1011. THEATRE FUNDAMENTALS: AESTHETICS. 2 cr.** Teaches fundamentals of design theory, stage movement and dramatic theory to include genres and styles. Sp
- 1091. 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
- 2007. 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
- 2021. BEGINNING ACTING. 3 cr.** Teaches the basic skills of memorization, relaxation, concentration, physicalization, vocal control and script interpretation through exercises and scene study.
- 3000. 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.
- 3001. 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.
- 3003. LIGHTING. 3 cr.** Teaches theory, design and practice of lighting for theater, television and film. Laboratory hours on Theatre Works.ULM productions required.
- 3005. 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
- 3009. PLAYWRIGHTING. 3 cr.** Teaches the writing of short plays through theory, example and practice.
- 3021. 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 2021 or permission of instructor. May be repeated for a maximum of nine credits.
- 3051. 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 3001 and 3003 or permission of the instructor.
- 3060. COSTUME CONSTRUCTION. 3 cr.** Teaches pattern drawing, costume alteration and sewing for theatre, television and film through application projects. Laboratory hours on Theatre Works. ULM productions required.
- 4040. 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 3001 or 3003 or 3060 and permission of the instructor.
- 4050. ADVANCED DESIGN PRACTICE. 1, 2 or 3 cr.** Teaches advanced design skills. May be repeated to a maximum of nine credits. Prerequisites: THEA 3001 & 3051 or 3060 & 4001 or 2007 or 3003 as appropriate and permission of the instructor.
- 4075. ADVANCED DIRECTING. 1, 2, or 3 cr.** Applies the skills learned in direction (THEA 4025) 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 2021 and 4025 and permission of the instructor. May be repeated for a maximum of 3 cr.
- 4080. 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.
- 4085. 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.
- 4086. 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.
- 4087. SENIOR RECITAL. 1 cr.** Provides a culminating project for performance students to demonstrate their proficiency. Prerequisite: permission of the director of Theater.
- 4092. PLAY WRITING. 1-3 cr.** Directed study in Play Writing. May be repeated for a total of 6 credits. Prerequisite: approval of department head. (Formerly THEA 491A)
- 4093. DIRECTING. 1-3 cr.** Directed study in Directing. May be repeated for a total of 6 credits. Prerequisite: approval of department head. (Formerly THEA 491B)
- 4094. ACTING. 1-3 cr.** Directed study in Acting. May be repeated for a total of 6 credits. Prerequisite: approval of department head. (Formerly THEA 491C)
- 4095. TECHNICAL THEATRE. 1-3 cr.** Directed study in Technical Theatre. May be repeated for a total of 6 credits. Prerequisite: approval of department head. (Formerly THEA 491D)
- 4096. THEATRE MANAGEMENT. 1-3 cr.** Directed study in Theatre Management. May be repeated for a total of 6 credits. Prerequisite: approval of department head. (Formerly THEA 491E)

**For Undergraduates and Graduates**

- 4001. 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 3060 or permission of instructor.
- 4009. 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.
- 4015. 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 1011 or 1012; consent of instructor.

- 4016. 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 1011 or 1012; consent of instructor.
- 4019. CHILDREN'S THEATRE. 3 cr.** Teaches the selection, direction of plays for child audiences.
- 4021. ADVANCED ACTING. 1, 2, or 3 cr.** Teaches advanced skills in specialized areas such as the performance of Shakespearian drama. Topic and credit varies with the subject matter. May be repeated for a maximum of nine credits. Prerequisites: THEA 2021 and 3021 or permission of the instructor.
- 4023. CREATIVE DRAMATICS. 3 cr.** Teaches the use of imaginative and creative activities for instruction in college, secondary and elementary school programs.
- 4025. 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 1011, 2021 and permission of instructor.
- 4027. THEATRE LEADERSHIP AND MANAGEMENT. 3 cr.** House and box office management, public relations and program development for arts production.
- 4031. 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.
- 4043. CONTEMPORARY THEATRE PRACTICES: FRANCE. 3-6 cr.** Examines current acting and directing styles and techniques in the various technical areas: scenery, lighting, sound, makeup, costumes, and properties. (Formerly THEA 442A)
- 4044. CONTEMPORARY THEATRE PRACTICES: ENGLAND. 3-6 cr.** Examines current acting and directing styles and techniques in the various technical areas: scenery, lighting, sound, makeup, costumes, and properties. (Formerly THEA 442B)

## TOXICOLOGY (TOXI)

### Undergraduate Requirements

Specific Toxicology courses are required for every student majoring in Toxicology: Toxicology 1001, 2001, 3001, 4011/4013, 4012/4014, 4024, 4041, 4042/4043, and 4091 (29 hours). Every Toxicology major must also take at least nine hours of electives from one of the following defined topic areas:

General Toxicology: PHAR 4004, TOXI 3026, NURS 2080, PHYS 2010

Forensic Toxicology: CJUS 1001, 2033, 2050, 2099, 3001, 3030

Environmental Toxicology: BIOL 1022/1023, 2001, 3003/3004

Analytical Toxicology: CHEM 2040, 2041, 4007

Industrial Hygiene: ATMS 4050, BIOL 2001, 4064, GEOL 4017

Students pursuing admission to Pharmacy School will follow the 3-year Pre-Pharmacy curriculum listed in 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 topic areas or choose to pursue a degree other than Toxicology. Transfer students who have completed BIOL 2020, 2040 and/or 3005 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 topic areas.

### For Undergraduates Only

- 1001. TOXICOLOGY AND THE ENVIRONMENT. 3 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
- 2001. ENVIRONMENTAL TOXICOLOGY. 3 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 1020, 1021; CHEM 1007, 1009. Sp
- 3001. 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 1001, BIOL 1020, CHEM 2030, CHEM 2032. Sp
- 3026. 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 3022, 3023, or approval of the Program Director. (Same as CLSC 3026.) Toxicology majors only.
- 4001. 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.
- 4011. GENERAL TOXICOLOGY. 3 cr.** Biochemical basis of chemical toxicity including toxicodynamics, biotransformation, toxicokinetics, mutagenicity, carcinogenicity, teratogenicity and toxicity testing. Prerequisites: BIOL 3011; and grade of "C" or better in TOXI 1001; and credit or registration in TOXI 4013. Toxicology majors only. Sp
- 4012. GENERAL TOXICOLOGY. 3 cr.** Continuation of Toxicology 4011. Physiological basis of chemical toxicity in organ systems. Prerequisites: TOXI 4011; and BIOL 3011, 3012; and grade of "C" or better in TOXI 1001 and 2001; and credit or registration in TOXI 4014. Toxicology majors only. F
- 413-4014. GENERAL TOXICOLOGY LABORATORY. 1 cr. each.** Laboratory exercises to accompany 4011-4012. Three hours laboratory. Prerequisite: Credit or registration in TOXI 4011 and 4012. Toxicology majors only.
- 4015. ANALYTICAL TOXICOLOGY. 1 cr.** Quantitative and qualitative methods of chemical analysis of toxic substances. Prerequisites: TOXI 4012; and CHEM 3007 and 3008; and credit or registration in TOXI 4016. Toxicology majors only.
- 4016. ANALYTICAL TOXICOLOGY LABORATORY. 2 cr.** Laboratory exercises to accompany 4015. Six hours laboratory. Prerequisite: credit or registration in TOXI 4015. Toxicology majors only.
- 4024. 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 4012 and 4014. F (Same as PHARM 5024).

- 4041. 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 1001 and 2001. Sp
- 4042. 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 4041. F
- 4043. INDUSTRIAL HYGIENE LABORATORY. 1 cr.** A laboratory dedicated to the practical application of information disseminated in Toxicology 4044. Three hours laboratory. Toxicology majors only. Sp
- 4044. INDUSTRIAL HYGIENE. 3 cr.** Introduction to industrial hygiene: general principles, regulatory standards, workplace hazards, exposure control, problem solving strategies. Prerequisites: TOXI 1001 and 2001. Toxicology majors only. Sp
- 4091. 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

- 3000. 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.

## UNIVERSITY SEMINAR (UNIV)

- 1001. UNIVERSITY 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.



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- PATRICIA PATE, *Instructor in English*  
B.A., M.A., University of Louisiana at Monroe
- ELIZABETH C. PERRY, *Assistant Professor of Clinical Pharmacy Practice*  
Pharm.D., University of South Carolina
- JACLYN VERRET PETERS, *Instructor of Radiologic Technology*  
B.S.R.T., University of Louisiana at Monroe; The American Registry of Radiologic Technologist (ARRT)
- JAMES PETTIT, *Instructor in English*  
B.A., M.A., University of Louisiana at Monroe
- APRIL PICARD, *Instructor in Mathematics*  
B.S., M.Ed., Northeast Louisiana University
- DANITA POTTER, *Assistant Professor of Nursing*  
B.S.N., Grambling State University; M.S.N., Alcorn State University
- RENEE POTTER, *Instructor of Nursing*  
B.S.N., Grambling State University
- SHERLYN POWELL, *Associate Professor of Curriculum and Instruction*  
B.A., M.Ed., University of Louisiana at Monroe; Ed.D., The University of Alabama
- AVA F. PUGH, *Professor of Curriculum and Instruction*  
B.S., Mississippi State University; M.Ed., Ed.S., Delta State University; Ed.D., Mississippi State University
- MICHAEL S. RACCA, *Clinical Assistant Professor of Pharmacy Practice*  
M.D., Louisiana State University, Shreveport
- AMANDA L. RANZINO, *Clinical Assistant Professor of Pharmacy Practice*  
Pharm.D., University of Louisiana at Monroe
- HARVEY RAPPAPORT, *Associate Professor of Pharmacy Administration*  
B.S., Rutgers University; M.S., Medical College of Virginia; Ph.D., University of Mississippi
- GARY LYNN RATCLIFF, *Associate Professor and Head, Division of Art*  
B.A., Greenville College; M.F.A., Texas A&M Commerce
- WENDEL A. RAY, *Professor of Marriage and Family Therapy*  
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- LINDA F. REID, *Assistant Professor of Nursing*  
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- DONNA A. RHORER, *Associate Professor of English*  
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- GEORGE E. RICE, *Professor of Educational Leadership*  
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- AMANDA H. RICHARDSON, *Assistant Professor in Dental Hygiene*  
B.S., Northeast Louisiana University; M.D.H., University of Tennessee
- STEPHEN P. RICHTERS, *Executive Vice President*  
A.S., Northwestern Connecticut Community College; B.S., Vassar College; M.S., Ph.D., Brown University
- BETH J. RICKS, *Associate Professor in Curriculum and Instruction*  
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- JASON RINEHART, *Assistant Professor of Music*  
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- SHARON HIBBARD ROACH, *Instructor in Communication Studies*  
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- JOHN R. RODRIGUEZ, *Assistant Professor of Mass Communications*  
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- RAYMUNDO ARTURO RODRIGUEZ, *Instructor of Business*  
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University of Tennessee

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University; Ph.D., University of Missouri-Columbia

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Ph.D., University of North Texas

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JAMES T. WOOD, *Associate Professor of Computer Information Systems*  
B.B.A., North Texas State University; M.B.A., Houston  
Baptist University; Ph.D., University of Texas at  
Arlington

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MARY BLANCHE WORTHAM, *Instructor in Spanish*  
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MICHELLE ZAGAR, *Clinical Assistant Professor of Pharmacy Practice*  
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RALPH A. ZEHNDER, *Assistant Professor of Chemistry*  
B.S., Ph.D., University of Siegen

KYLE ZIMMERMAN, *Assistant Professor of Theatre*  
B.F.A., Eastern Carolina University; M.F.A., Virginia  
Commonwealth University

# ENDOWED CHAIRS AND PROFESSORSHIPS

## CHAIRS

### Arts and Sciences

Joseph A. Biedenharn Chair in Gerontology

Dr. Karen Kopera-Frye

Emy-Lou Biedenharn Endowed Chair in Music

Mr. Alex M. Noppe

### Business Administration

Margaret & Bernard Biedenharn Chair of Business

Dr. Kenneth Clow

Contractors Educational Trust Fund Endowed Chair in Construction

Dr. Keith Parker

### Education and Human Development

Hanna Spyker Eminent Scholars Chair in Education

Dr. Bradford P. Keeney

### Pharmacy

Mary E. & Darrell L. Calhoun Chair in Pharmacology

Dr. Girish Shah

Tom and Mayme Scott Endowed Chair in Clinical Pharmacy Practice

Dr. Roy Parish

Kitty DeGree Eminent Scholars Chair in Toxicology

Dr. Harihara Mehendale

## PROFESSORSHIPS

### Arts and Sciences

#### Biology

Kitty DeGree Professorship in Biology

Dr. John Carr

Lillian L. and Fred A. Marx Endowed Professorship in Biology

Dr. Kim Tolson

#### English

Tommy and Mary Barham Endowed Professorship in English

Dr. Claudia Grinnell

Endowed Professorship in English

Dr. Helen Lock

L. M. McKneely Professorship in English Literature

Dr. Sandra Hill

L. M. McKneely Professorship in Humanities

Dr. Bette Kauffman

#### Geosciences

Endowed Professorship in Geology

Dr. Anne Case Hanks

#### Gerontology

Endowed Professorship in Gerontology

Dr. Brandy McCann

Pfizer Inc - B.J. and Mary Jo Robison Professorship in Gerontology

Match Pending

#### Liberal Arts

Dr. William R. Hammond Professorship in Liberal Arts

Dr. James Boldin

#### Communication

Vernon McCrory 1st Amendment Professorship in Mass Communication

Mr. Christopher Mapp

#### Mathematics

Capital One Professorship in Mathematics

Not Determined

A. Dale Magoun Professorship in Mathematics

Not Determined

### **Music**

Emy-Lou Biedenharn Endowed Professorship in Music

Dr. Richard Seiler, Jr.

## **Business Administration**

### **Accounting**

Hood / DeFatta Professorship in Accounting

Dr. Thomas Hodge

John L. Luffey, Sr. Endowed Professorship in Accounting

Dr. Dorothy Davis

Michelle McEacharn Endowed Professorship in Accounting

Not Determined

Alumni Professorship in Accounting

Match Pending

### **Agribusiness**

Governor James A. Noe and Linda Noe Laine Professorship in Agriculture

Not Determined

Mayme and Tom Scott Professorship in Agriculture

Dr. James Casey

### **Computer Information Systems**

Entergy Endowed Professorship in Computer Information Systems

Dr. James Wood

Kitty DeGree Professorship in Computer Information Systems

Dr. William Barnette

### **Computer Sciences**

Kitty DeGree Professorship in Computer Sciences

Dr. Paul Wiedemeier

Clarke Williams, Jr. Professorship in Communicative Software Design

Dr. Lon Smith

### **Construction**

Beach Endowed Professorship in the School of Construction

Mr. Greg Smith

Clark Boyce Professorship in Construction

Director, School of Construction

Endowed Professorship in Electrical / Mechanical in School of Construction

Dr. David Manry

Northeast Chapter Associated General Contractors of America Professorship "A"

Dr. Bobby Ensminger

Northeast Chapter Associated General Contractors of America Professorship "B"

Dr. Hollis Bray

Thurman Potts Professorship in Construction

Mr. Charles Cook

### **Entrepreneurship**

Abell Endowed Professorship in Entrepreneurship

Dr. Laurie Babin

George T. Walker Professorship in Entrepreneurship

Dr. Michelle McEacharn

Dr. Henry Hu Endowed Professorship in Entrepreneurship

Dr. Henry Cole

Endowed Professorship in Entrepreneurship

Dr. Paul Dunn

### **Finance**

Louisiana Real Estate Commission Endowed Professorship in Finance

Dr. Michael E. Parker

### **Insurance**

State Farm Professorship in Insurance

Dr. Christine T. Berry

### **Management**

Bruce and Lizabeth Boulware Professorship in Management

Not Determined

## Education and Human Development

### Education and Human Development

Frances Davis Hammond Professorship in Education

Dr. Wendel Ray

Entergy Professorship in Instructional Technology in Teacher Education

Dr. Thillainatarajan Sivakumaran

Mary Ellen Walker Professorship in Early Childhood Education

Dr. Beth Ricks

Chase Professorship in Teacher Education

Dr. Lynn Clark

BellSouth Endowed Professorship in Science Education

Dr. Ava Pugh

Kitty DeGree Endowed Professorship in Education

Dr. Veronica Lewis

Endowed Professorship in Education Administration

Dr. George Rice

The Upshaw Family Professorship for the

College of Education and Human Development

Dr. Rick Stevens

### Kinesiology

George L. "Chip" Luffey Endowed Professorship in Kinesiology

Dr. Elward Kendall Alford

Lucy Shackelford Professorship in Kinesiology

Dr. Wilson Campbell

## Health Sciences

### Speech-Language Pathology

Endowed Professorship in Communicative Disorders

Dr. Johanna Boulton

Kitty DeGree Endowed Professorship for the Speech and Hearing Clinic

Ms. Sarah Hayes

### Nursing

Glenwood Regional Medical Center Professorship in Nursing "A"

Ms. Amy Kincannon

Glenwood Regional Medical Center Professorship in Nursing "B"

Dr. Belinda Morgan

Sister Ligouri Lawton Professorship in Nursing

Dr. Emily Doughty

ULM Endowed Professorship in Nursing

Ms. Catherine Campbell

Sister Jerome Crowley Professorship in Nursing

Ms. Donna Glaze

Sister Anne Marie Twohig Professorship in Nursing

Ms. Connie Lewis

## Pharmacy

### Pharmacy

Pfizer, Inc. - B. J. Robison Professorship in Pharmacy

Dr. Paul Sylvester

### Toxicology

Waste Management Professorship in Toxicology

Dr. Kevin Baer

## Academic Affairs

Deborah Cofer Distinguished Professorship in Undergraduate Education

Match Pending

James E. Cofer Distinguished Professorship in Undergraduate Education

Match Pending

Mayme and Tom Scott Professorship in Teaching Excellence

Dr. Gary L. Stringer

# ADJUNCT AND VISITING FACULTY

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# Information Directory

University of Louisiana at Monroe  
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<b>AUXILIARY ENTERPRISE ADMINISTRATION</b> (Walker Hall 1-142) .....	342-5242
University Bookstore (Sandel Hall, 4020 Northeast Dr.) .....	342-1982
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WIDS - Warhawk ID Services (University Commons II, Suite 2153) .....	342-5003
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Transcripts .....	342-5271
Scholarships (Sandel Hall) .....	342-5321
	or 1-800-372-5127
Student Success Center (Clarke M. Williams Student Center) .....	342-3667
Testing Center (Sandel Hall 225) .....	342-5336
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Recreational Services (Activity Center) .....	342-5363
Student Government Association (Student Center Room 150) .....	342-3485
Student Health Services (Student Health and Counseling Center) .....	342-1651
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Student Services/Student Conduct (Student Center Room 239) .....	342-5230
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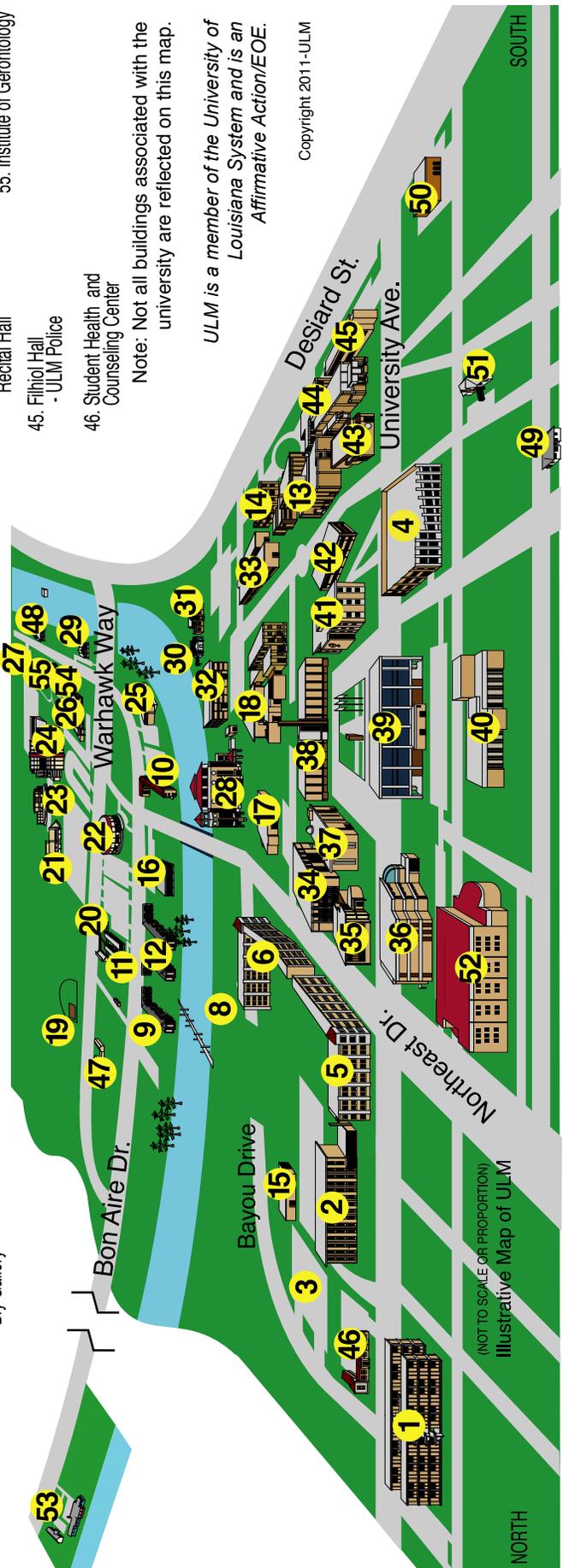
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# The University of Louisiana at Monroe CAMPUS MAP



- |  |   |   |  |   |   |                                       |
|--|---|---|--|---|---|---------------------------------------|
| 1. Madison Hall  | 9. Bayou Village Apartments                             | 15. Coenen Hall   | 22. Fant-Ewing Coliseum                | 31. University House                                  | 37. Hanna Hall  | 47. Physical Plant                    |
| 2. Ouachita Hall   | 10. Bayou Suites Residence Hall                         | 16. Schulze Dining Hall                                 | 23. Baseball Stadium                   | 32. Strauss Hall                                      | 38. Walker Hall                                       | 48. Bon Aire - University Residence   |
| 3. Parking Addition  | 11. Clarke M. Williams Student Success Center           | 17. Student Union Building/Student Center - Post Office | 24. Lake C. Oxford Natatorium          | 33. Stubbs Hall                                       | 39. Nursing Building                                  | 49. ...                               |
| 4. Intermodal Transit Facility   | 18. Student Union Building/Student Center - Post Office | 19. Softball Field                                      | 25. Activity Center                    | 34. Sancel Hall                                       | 40. Construction Building                             | 50. University Advancement            |
| 5. University Commons I  | 19. Softball Field                                      | 20. Heard Stadium (Tennis)                              | 26. University Park Intramural Complex | 41. Sugar Hall  | 41. Sugar Hall  | 51. Testing Center                    |
| 6. University Commons II - Bank, Residential Life, Warhawk Card Services | 20. Heard Stadium (Tennis)                              | 21. Brown Stadium                                       | 27. University Library                 | 42. Caldwell Hall                                     | 42. Caldwell Hall                                     | 52. Hemphill Hall                     |
| 7. ...   | 21. Brown Stadium                                       |   | 28. Anna Gray Noe Alumni Center        | 43. Sound of Today Band Building                      | 43. Sound of Today Band Building                      | 53. Marriage & Family Therapy Complex |
| 8. Bayou Park -Bry Gallery   |   |   | 29. ...                                | 44. Biedenharn Hall - Emy-Lou Biedenharn Recital Hall | 44. Biedenharn Hall - Emy-Lou Biedenharn Recital Hall | 54. Golf Office                       |
|  |   |   |  | 45. Filhiol Hall - ULM Police                         | 45. Filhiol Hall - ULM Police                         | 55. Institute of Gerontology          |



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