

Chapter 11 - College of Applied and Natural Sciences

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Address

More information about the College of Applied and Natural Sciences can be obtained by writing :
College of Applied and Natural Sciences
P. O. Box 10197
Louisiana Tech University
Ruston, LA 71272
(318) 257-4287
and/or visiting our web site at
<http://www.ans.latech.edu>

Mission

Through excellence in teaching, research, and service, the College of Applied and Natural Sciences prepares students for careers in agriculture, biological sciences, forestry, health care, and human ecology. Graduates are expected to be committed to life-long learning, to environmental awareness, and to improving their profession and community.

Accreditations

? The educational program in Forestry leading to the professional degree of BSF is accredited by the Society of American Foresters (SAF). SAF is recognized by the Council for Higher Education Accreditation as the specialized accrediting body for forestry in the United States.

? The Health Information Technology program is accredited by the Commission on Accreditation of Allied Health Education Programs in cooperation with the Council on Accreditation of the American Health Information Management Association.

? The Health Information Administration program is accredited by the Commission on Accreditation of Allied Health Programs in cooperation with the Council on Accreditation of the American Health Information Management Association

? The School of Human Ecology undergraduate programs are accredited by the Council for Accreditation of the American Association of Family and Consumer Sciences. The Nutrition and Dietetics undergraduate curriculum (DPD) is approved by the Commission on Accreditation/Approval for Dietetic Education of the American Dietetic Association and the Dietetic Internship is accredited. Additionally, the teacher

preparation programs are included in the University accreditation by the National Council for the Accreditation of Teacher Education and meet state certification standards. The Early Childhood Education Center is accredited by the National Academy of Early Childhood Programs Division of the National Association for Education of Young Children (NAEYC).

? The Division of Nursing is accredited by the National League for Nursing (NLN) and has continued "full approval" by the Louisiana State Board of Nursing (LSBN).

Undergraduate Degrees Offered

Associate of Science in Health Information

Health Information Technology

Associate of Science in Nursing

Nursing (2-year RN program)

Bachelor of Arts

Merchandising and Consumer Affairs

Bachelor of Science

Agricultural Business
Animal Science
Biology
Environmental Science
Family and Child Studies
Family and Consumer Sciences Education
Nutrition and Dietetics
Plant Science
Wildlife Conservation

Bachelor of Science in Forestry

Bachelor of Science in Health Information

Health Information Administration

Bachelor of Science in Medical Technology

Medical Technology

These curricula provide well-balanced educational programs based on the professional needs of students. They include instruction in the natural sciences, the humanities, and the social sciences as well as a comprehensive education in one of the specialized fields of the college.

Minors Offered

Students pursuing an undergraduate major in any college may earn a minor in one of the following fields:

- ? Animal Science
- ? Biology
- ? Consumer Affairs
- ? Environmental Science
- ? Family and Child Studies
- ? Forestry
- ? Geographic Information Science
- ? Gerontology (interdisciplinary)
- ? Human Nutrition
- ? Medical Technology
- ? Merchandising
- ? Plant Science
- ? Wildlife Conservation

Specific requirements for each of these minors are identified in the departmental and school sections of the catalog. A student must earn a grade of **C** or better in each course applied toward meeting the requirements of a minor. This requirement will be applicable to new undergraduate students (freshmen and transfers) whose initial enrollment is Fall Quarter 2003 or quarters thereafter.

Requirements for Admission, Graduation, and Transfer Credit

Students who meet the University admission criteria will be admitted to the College of Applied and Natural Sciences. Specific admissions criteria have been established for some programs. These criteria are identified for specific curricula in the descriptions of those programs. Graduation requirements are the same as those for the University unless noted otherwise.

Candidates for admission to the College of Applied and Natural Sciences who have completed course work at another institution must submit an official record of that credit to Louisiana Tech University. This record will be evaluated by the department conducting the program in which the candidate wishes to major. The evaluation will determine which curricular requirements of the program of study at Louisiana Tech have been satisfied by the student's prior course work. General education requirements are evaluated by the College of Applied and Natural Sciences. A grade of **C** or better is considered acceptable for transfer of credit for required or equivalent courses in the College of Applied and Natural Sciences degree programs.

Advising

Each student in the College of Applied and Natural Sciences is assigned an academic advisor. This advisor assists students in planning, implementing, and completing their programs of study as well as in career planning. Assignments are made to assure that students have advisors who have specialized knowledge in their fields of study. Students have the opportunity to change their advisor, and such changes can be initiated with the appropriate academic unit head.

Special Programs Experiential/Cooperative Education

Students majoring in Agricultural Business, Animal Science, Environmental Science, Family and Child Studies, Forestry, Biology, Plant Science, Merchandising and Consumer Affairs, and Wildlife Conservation may elect to participate in a cooperative education/internship experience one or more terms during their college careers. These students receive relevant work experiences while earning college credit. Some students are paid for their services.

These experiences are designed to develop professional competencies, to impart general and specific skills, to provide opportunities for application of theoretical concepts, and to assist students in the transition from college to employment. The work experience also may provide students an entree for their first job following graduation.

Experiential learning experiences occur beyond the North Louisiana area. Cooperative education and practica work experiences occur in a variety of locations both within and outside Louisiana. Nursing, Health Information Management, and Dietetic students receive clinical instruction in varied health care facilities throughout North and Central Louisiana. Medical Technology students complete clinical experiences in hospitals

during their senior year. The Early Childhood Education Center serves as an early childhood demonstration laboratory for Family and Child Studies students. Students may travel to New York and Dallas as part of Merchandising and Consumer Affairs travel study. Agricultural Sciences students have the opportunity to complete cooperative education experiences in agricultural industries and with agribusiness firms located throughout the United States.

All programs require application and acceptance.

Facilities

Academic programs in the College of Applied and Natural Sciences are located in Carson Taylor Hall and George T. Madison Hall on the main campus, as well as Reese Hall and Lomax Hall on the South Campus. In addition, numerous laboratory facilities in other buildings and at other sites enhance the instruction of students. Biological Sciences and Human Ecology are located in Carson Taylor Hall. Also, Biological Sciences has facilities in George T. Madison Hall. Nursing and Health Information Management are located in George T. Madison Hall.

The Center for Children and Families, the only such center in Louisiana approved by the Board of Regents, is operated by the School of Human Ecology. The Center encourages collaborative research, instruction, and service that promote the well-being of children and families. The Family and Child Studies Institute, one component of the Center, sponsors the endowed Bruce Everist Lecture Series. Another component, the Early Childhood Education Center, is a learning laboratory for 3- and 4-year-old children. Family and Child Studies students observe, student teach, and conduct research at the Center.

Agricultural Sciences and Forestry programs are located on the South Campus. Reese Hall, Lomax Hall and the Forestry Laboratory Building provide classrooms, laboratories and office space. In addition, Lomax Hall houses research and student laboratories, greenhouses, and a display greenhouse for large plant specimens and exotic plantings. The 850 acre South Campus also has a Jersey-Holstein herd and dairy facility which provides milk for the campus; a dairy processing plant which pasteurizes and packages milk, makes cheeses and butter, and produces ice cream; a meats laboratory which trains students in meat processing and marketing; and an equine center. The Louisiana Tech University Farm Salesroom, also located on South Campus, offers products that are produced and/or processed by the Department of Agricultural Sciences. Fluid milk, cheese, ice cream, yogurt, butter, and sour cream are available on a continuing basis. Specialty products include peach ice cream, Christmas eggnog, and gift-boxed, wax-dipped cheddar cheese. The Tech Meats Laboratory sells retail cuts of beef, chicken, and pork through the Salesroom. Other products include seasonal fruits and vegetables, ornamental plants, Christmas poinsettias, and bedding plants. The Salesroom provides an integrated link in the marketing and sales of food and ornamental plant products.

The Louisiana Tech Equine Center provides facilities and animals for student instruction in all phases of horsemanship such as breeding, training, and nutrition. The Center also provides recreational horseback riding sessions and a therapeutic and handicapped horseback riding program.

Also located on the South Campus are numerous other facilities which support the agriculture and forestry programs: a sawmill, a dry kiln, wood utilization laboratories, a wood working shop, a weather station, a farm machinery shop, barns for livestock, fields, forests, nurseries, research vegetable and flower gardens, a 50-acre arboretum, and ponds.

University-owned forestlands (800 acres) in North Louisiana and West Mississippi are used in the forestry education and research programs.

Scholarships

Scholarships are available in the College of Applied and Natural Sciences. Any student enrolled in the College is eligible to apply for general scholarships. However, a number of scholarships are available only to students in a certain department or major.

Applied And Natural Sciences Scholarships

- ? The M. Hayne Folk, Jr., Memorial Scholarship
- ? Health Science Scholarships
- ? The Ruston Hospital Endowment
- ? The Lettie Pate Whitehead Scholarship

Agricultural Sciences Scholarships

- ? The Benjamin Forbes Leadership Scholarship
- ? The Block and Bridle Brittain Simms Memorial Scholarship
- ? The Block and Bridle Richard Hill Memorial Scholarship
- ? The Block and Bridle Sullivan Memorial Scholarship
- ? The Don Hinton Dairy Scholarship
- ? The C. G. Hobgood Memorial Scholarship
- ? The T. W. Ray Johnson Memorial Scholarships
- ? The John A. Wright Horticulture Scholarship
- ? The Todd McAfee Memorial Scholarship
- ? The Agricultural Endowment Scholarships
- ? The Bessie Mae Talbert Purdy Scholarships
- ? The Northeast Flower Society Horticulture Scholarship
- ? The James Furman & Lavara B. Love Endowed Scholarship
- ? The John Green Scholarship

Biological Sciences Scholarships

- ? Premedical/Predental Fund
- ? Outstanding Freshman Biological Science Student awards
- ? Scott M. Weathersby Endowment Award

Forestry Scholarships

Application deadline is February 1. Write School of Forestry, Box 10138, Ruston, LA 71272 for applications, or complete on-line application on College web site.

- ? E. R. Andrulot Scholarship
- ? Clyde and Ruby Anthony Endowed Scholarship
- ? The Lloyd P. Blackwell Scholarship
- ? Wirt L. and Althea E. Bond Forestry Scholarship
- ? The Forestry Alumni Association Scholarship
- ? The Forestry Department Endowed Scholarship
- ? The Walter Kellogg Forestry Scholarship
- ? The Louisiana Forestry Foundation Scholarships
- ? The Louisiana Tech Forestry Alumni Association Scholarship
- ? The Martin Foundation Scholarship
- ? The McBride Endowed Scholarship
- ? E. W. Merritt Scholarship
- ? The Dan and Dave Metz Memorial Endowed Scholarship
- ? School of Forestry Freshman Awards
- ? Seedling and Sapling Club of the Louisiana Forestry Association Scholarship
- ? Richard M. Sisk Trust Fund Award

Health Information Management Scholarships

- ? The Eddie Cooksey Scholarship

Human Ecology Scholarships

- ? Human Ecology Alumni Freshman Scholarships
- ? The Mary Wilks Chandler Scholarship
- ? The Clyde and Mildred Mobley and Kola Mobley Fouche Memorial Scholarship
- ? F. C. and Gladys M. Haley Scholarship
- ? The Clothilde Tuten Clark Scholarship
- ? Human Ecology Faculty Scholarships
- ? Human Ecology Organization Scholarships
- ? The Rhoda L. Chambless Scholarship
- ? The Willie Lou Durrett Scholarship
- ? The Laurie S. and Helen Mobley Scholarship
- ? The Lois M. Jackson Dietetics Advisory Board Scholarship
- ? The Whetstone Scholarship
- ? The Eastman/Auto-Chlor Scholarship
- ? The Bette Heard Wallace Endowed Scholarship
- ? The Henry E. and Margaret A. Stamm Endowed Scholarship
- ? The Merle Burke Endowed Scholarship
- ? The Willie Fletcher Scholarship
- ? The Jeanne Mack Gilley Endowed Scholarship
- ? The E. Lee and Armede Wilks Young Endowed Scholarship
- ? The Rev. and Mrs. W. R. Gage Endowed Scholarship
- ? The Dr. Harvye Lewis Endowed Scholarship

Nursing Scholarships

- ? The Mary Jarrell Nursing Scholarship
- ? The Mary Marguerite Merritt Scholarship
- ? The Henry R. Mays, Jr. Scholarship

Student Organizations

A number of organizations provide students opportunities for professional and leadership development, service, and networking with other students, faculty, and professionals. Students who desire more information about these organizations may consult either their advisor or their academic unit head. College organizations include the following:

Agricultural Sciences

- ? Alpha Zeta
- ? Block and Bridle
- ? Future Farmers of America
- ? Louisiana Tech Horticulture Club
- ? Pre-Vet Club

Biological Sciences

- ? Alpha Epsilon Delta
- ? Chi Lambda Beta

Environmental Science

- ? National Association of Environmental Professionals

Forestry

- ? Alpha Zeta
- ? Forestry Club
- ? Xi Sigma Pi
- ? Student Chapter, Forest Products Society
- ? Student Chapter, Society of American Foresters
- ? Student Chapter, The Wildlife Society

Health Information Management

- ? Sigma Rho Alpha
- ? Zeta Tau

Human Ecology

- ? Child Life Student Association
- ? Kappa Omicron Nu (National Honorary)
- ? Louisiana Tech Student Association of Family and Consumer Sciences

- ? Louisiana Tech Student Council for Family Studies
- ? Louisiana Tech Student Dietetic Association
- ? Louisiana Tech Student Early Childhood Association
- ? Merchandising and Consumer Club
- ? Organization of Human Ecology Students

Nursing

- ? Louisiana Tech University Student Nurses Association

Bachelor Degree Programs

Department of Agricultural Sciences

The Department of Agricultural Sciences offers Bachelor of Science (BS) degrees in Agricultural Business, Animal Science, and Plant Science. A degree in Agricultural Education can be earned while fulfilling the requirements for teacher certification in the College of Education.

The Animal Science curriculum has 6 areas of concentration: Dairy Production, Dairy Processing, Equine, Livestock Production, General Animal Science, and Pre-Veterinary Medicine. The Plant Science curriculum consists of three concentrations: Agronomy, General Plant Science, and Landscape and Turf Management.

Louisiana Core Curriculum for Agriculture Programs

Following is a 2-year core curriculum for agricultural programs throughout the State of Louisiana. All state universities have agreed to accept these courses toward any agricultural degree program upon transfer from one university to another.

Core Agriculture

English (GER).....	6
Mathematics (GER)	
Mathematics 101, 112.....	6
Computer Literacy (GER)	
Agricultural Science 201 or	
Computer Information Systems 101.....	3
Natural Sciences (GER)	
Biological Sciences 130, 131, 132, 133.....	8
Chemistry 100, 101, 102, 103, 104.....	8
Arts (GER)	
Art 290, Music 290, or Speech 290.....	3
Humanities (GER)	
English 201 or 202, 303.....	6
History 201 or 202.....	3
Speech 377.....	3
Social Sciences (GER)	
Economics 215.....	3
Psychology, Sociology, or Geography.....	3
Animal Science 111.....	4
Plant Science 101, 200, 202.....	7

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Agricultural Business

The Agricultural Business program at Louisiana Tech provides a base of knowledge and training which supports career opportunities in agribusiness and natural resources management. The program is designed to allow the student to have maximum flexibility in fulfilling individual needs, while enhancing employability. The curriculum includes a built-in minor in Business Administration from the College of Administration and Business. Advisor/student selection of appropriate electives will allow specialization in the area of interest. For example, directed electives can be used to earn an additional minor in Geographic Information Science (GIS), which enhances in-demand job skills.

Agricultural Business Curriculum (BS)

Freshman year	
Animal Science 111.....	3
Natural Sciences (GER)	
Biological Sciences 130, 131.....	4
English (GER).....	6
Humanities (GER)	
History Elective.....	3
Mathematics (GER)	
Mathematics 101, and 112 or 125.....	6
Plant Science 101.....	3
Social Sciences (GER).....	6

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Sophomore Year

Accounting 201, 202.....	6
Agricultural Business 220.....	3
Arts (GER).....	3
Computer Literacy (GER).....	3
Humanities (GER)	
English 201 or 202.....	3
Natural Sciences (GER).....	
Chemistry 100, 101, 102, 103, 104.....	8
Social Sciences (GER)	
Economics 215.....	3
Directed Elective*.....	3

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Junior Year

Agricultural Business 310.....	3
Agricultural Science 320.....	3
Business Elective (300 or 400 level).....	3
Finance 318.....	3
Humanities (GER)	
English 303.....	3
Management 310.....	3
Marketing 300.....	3
Plant Science 310.....	3
Speech 110 or 377.....	3
Directed Elective*.....	3

30

Senior Year

Agricultural Business 402, 411, 430, 450, 460.....	13
Environmental Science 450.....	3
Elective.....	3
Directed Electives*.....	12

31

Total Semester Hours..... 124
(GER): General Education Requirements (pg. 14)

*Directed Electives chosen by student in consultation with advisor.

Notes:

1. A maximum of 6 credit hours of AGSC 477, 478, or 479 (Cooperative Education Work Experience) can be applied toward this curriculum.
2. A combined maximum of 6 credit hours of ANSC 425 (Special Problems in Animal Science) and/or PLSC 400 (Special Problems in Plant Science) can be applied toward this curriculum.
3. All courses applied toward the built-in minor in Business Administration must be completed with the grade of C or higher.

Requirements for a Minor in Geographic Information Science

Forestry 317 or Geographic Information Science 317; Forestry 324 or Geographic Information Science 324; Forestry 355 or Geographic Information Science 355; Forestry 455 or Geographic Information Science 455; Geography 380 or Geographic Information Science 380; Geography 480 or Geographic Information Science 480; and one additional Geography course; one quantitative methods course chosen from Agricultural Sciences 320, Quantitative Analysis 233, or Statistics 200, 402, or 405. Total 22 or 23 semester hours.

Agriculture Education

Agriculture Education prepares the student for teaching vocational agriculture in secondary schools. The College of Education manages this program in conjunction with the Department of Agricultural Sciences, with student advising within this department. Students in Agriculture Education must meet the general requirements for admission to teacher education in the College of Education's upper division. Service courses in technical agriculture provide the student training in the areas of plant science, animal science, forestry, soils, farm management, and farm mechanics. An active collegiate chapter of Future Farmers of America provides practical experience in this important leadership activity.

The program is listed under the College of Education – Department of Curriculum, Instruction, and Leadership. Inquiries about this curriculum may be made to either this department or to the College of Education.

Animal Science

Animal Science includes the fields of poultry, swine, dairy, beef, equine, and veterinary science.

Animal Science provides instruction and practical experience in judging, breeding, feeding, and managing livestock. Through course selection the student may prepare for livestock farming, management, business, or graduate study in animal science or veterinary medicine. Selection of directed electives permits special training for work with animal feed companies; milk, egg or poultry operations; food processing industries; managerial or marketing groups; supply and equipment cooperatives; agricultural extension services; public relations; and other organizations associated with animal production or management.

Opportunities are afforded students in Animal Science to obtain practical experiences in beef, dairy, sheep, swine, and equine operation and management through the University herds of registered livestock. An automated milking parlor, dairy barn, beef barn, crop lands, and pastures are utilized for instruction and student training. A meats laboratory for the study of meat cutting, preservation, storage and utilization, and a dairy processing plant equipped for processing fluid milk and manufacturing dairy products provide students opportunities for acquiring scientific and practical experiences in different aspects of processing meat and dairy products. Breaking, training, and breeding services are offered to the equine industry as an integral part of Tech's popular equine program within the Agricultural Sciences Department. Prominent stallions, representing some of the most popular bloodlines in America, are utilized in the breeding program. A nationally affiliated chapter of the Block and Bridle Club and the Pre-Vet Club provide social and educational activities for students pursuing animal science as a profession.

Animal Science Curriculum (BS)

Freshman Year	
Animal Science 111	3
Arts (GER)	3
English (GER)	6
Mathematics (GER)	
Mathematics 101, 112	6
Natural Sciences (GER)	
Biological Sciences 130, 131, 132, 133	8
Plant Science 101	3
Social Sciences (GER)	3
	32

Sophomore Year

Agricultural Business 220	3
Animal Science 201, 202, 204 or 211	3
Biological Sciences 214 or 260	4
Computer Literacy (GER)	3

Humanities (GER)	
History	3
English 201 or 202	3
Speech 110 or 377	3
Natural Sciences (GER)	
Chemistry 100, 101, 102, 103, 104	8
Directed Electives*	2
	32

Junior Year

Agricultural Business	
Any 300 or 400 level**	3
Animal Science 301, 309, 405	9
Biological Sciences 200 or 310	3
Humanities (GER)	
English 303	3
Plant Science 211, 310	6
Directed Electives*	6
	30

Senior Year

Agricultural Business 411	1
Agricultural Science 320	3
Animal Science 315 or 407 or 408 or 410	3
Animal Science 318, 401, 409	7
Social Science (GER)	6
Directed Electives*	10
	30

Total Semester Hours

(GER): General Education Requirements (pg. 14)

*Directed Electives chosen by student in consultation with advisor from one of the following concentrations:

**Does not include Agricultural Business 411.

Dairy Processing Concentration Directed Electives

Animal Science 302, 304, 305, 306 and 430

Biological Sciences 459

Dairy Production Concentration Directed Electives

Animal Science 302, 307 and 418; Animal Science 304 or 305 or 306; Biological Sciences 459 plus 2 additional directed elective hours.

Equine Science Concentration Directed Electives

Animal Science 307, 322, 324, 420, and 440 plus 4 additional directed elective hours.

General Animal Science Concentration Directed Electives

Eighteen hours of directed electives

Livestock Production Concentration Directed Electives

Animal Science 204, 307, 315, 410, and 418; plus 6 additional directed elective hours.

Pre-Veterinary Medicine Concentration Directed Electives

Chemistry 250, 251, 252, and 351, Physics 209, 210 plus 3 additional directed elective hours.

Notes:

1. A maximum of 6 credit hours of AGSC 477, 478, or 479 (Cooperative Education Work Experience) can be applied toward this curriculum.
2. A maximum of 6 credit hours of ANSC 425 (Special Problems in Animal Science) can be applied toward this curriculum.

Requirements for a Minor in Animal Science

Twenty-one hours with a minimum of 9 hours in 300-400 level courses. Courses may be selected from Animal Science 111 plus any combination of other animal science courses.

Applications to Veterinary Medicine Programs

Students in the Pre-Veterinary medicine concentration who have an exceptional grade point average and an acceptable score on the Medical College Admissions Test (MCAT) or Graduate

Record Examination (GRE) may wish to apply for admission to veterinary school during their junior year. Such a student may receive a degree in Animal Science from Louisiana Tech University after completing one year of veterinary school if they meet the following criteria: (1) completion of 90 credit hours, (2) completion of the General Education Requirements, (3) completion of the following Agricultural Sciences requirements: Animal Science 111 plus 12 additional hours of 300-400 level courses; Biological Sciences 130, 131, 132, 133, 260; Chemistry 100, 101, 102, 103, 104, 250, 251, 252, and 351. The student must arrange for transfer of credit and follow the procedures applicable for graduation at Louisiana Tech University.

The Pre-Veterinary Medicine concentration at Louisiana Tech University is based on requirements for application to the veterinary program at Louisiana State University in Baton Rouge. Application for admission to the veterinary program at Louisiana State University is made in October for admission in the fall of the following year. The MCAT or GRE score must be provided from the year prior to application for admission. Requirements for admission to professional veterinary programs in other states may vary.

Only residents of Louisiana and Arkansas are normally eligible to apply for admission to the LSU Veterinary School. Residence status is determined by LSU and residence status at Louisiana Tech University has no bearing on such determination.

Plant Science

The Plant Science curriculum culminates in a degree with a concentration in Agronomy, General Plant Science, or Landscape and Turf Management. Each deals with the cultural and applied aspects of plant production.

Students learn about plant science in a variety of laboratory facilities: 5,000 square foot conservatory, approximately 25,000 square feet of glass and aluminum greenhouse space, computer lab, crops lab, pest management lab, soils lab, grafting and propagation lab, 6 additional greenhouses, a vegetable garden, a landscape display garden, an arboretum, turf plots, and agronomy field plots.

The Horticulture Club sponsors the annual Poinsettia Show and participates in an annual educational tour of horticulture in different regions of the United States.

Plant Science Curriculum (BS)

Freshman Year	
English (GER).....	6
Mathematics (GER)	
Mathematics 101, 112	6
Natural Sciences (GER)	
Biological Sciences 130, 131, 216, 217	8
Chemistry 100, 101, 102, 103, 104	8
Plant Science 101	3
	31
Sophomore Year	
Animal Science 111	3
Computer Literacy (GER)	3
Humanities (GER)	
English 201 or 202	3
History	3
Plant Science 310, 311	4
Social Sciences (GER)	9
Speech 110 or 377 or English 463	3
Directed Elective*	3
Elective	3
	31

Junior Year	
Agricultural Business 220.....	3
Agricultural Science 477, 478, or 479	3
Arts (GER).....	3
Biological Sciences 200 or 310	3
Biological Sciences 214 or 260	4
Biological Sciences Elective.....	3
Humanities (GER)	
English 303.....	3
Plant Science 450	3
Directed Electives*	6
	31

Senior Year	
Agricultural Business Elective	3
Agricultural Business 411.....	1
Agricultural Sciences 320	3
Directed Electives*	24
	31

Total Semester Hours..... 124

(GER): General Education Requirements (pg. 14)

*Directed Electives chosen by student in consultation with advisor from one of the following concentrations:

Agronomy Concentration Directed Electives

Select 30 hours from the following list: Agricultural Science 477, 478, 479; Plant Science 211, 303, 309, 312, 320, 400, 403, 409, 412, 421, 422, 423. Agricultural Business or Animal Science Electives.

General Plant Science Concentration Directed Electives

Thirty hours of Directed Electives

Landscape and Turf Management Concentration Directed Electives

Select 30 hours from the following list: Agricultural Science 477, 478, 479; Plant Science 284, 300, 301, 302, 303, 312, 320, 384, 400, 403, 412, 420, 421, 422, 423, 440, 441. Agricultural Business or Animal Science Electives; Spanish Electives.

Notes:

1. A maximum of 6 credit hours of AGSC 477, 478, or 479 (Cooperative Education Work Experience) can be applied toward this curriculum.
2. A maximum of 6 credit hours of PLSC 400 can be applied toward this curriculum.

Requirements for a Minor in Plant Science

Twenty-one hours with a minimum of 9 hours in 300-400 level courses. Courses may be selected from Plant Science 101 plus any combination of other Plant Science courses (exception-Plant Science 400).

School of Biological Sciences

The curricula and courses offered by the School of Biological Sciences are designed to prepare students to meet a broad range of career goals. Two undergraduate degrees are offered: Bachelor of Science in Biology and Bachelor of Science in Medical Technology. Each degree program includes general education courses; a group of required courses in biology, chemistry, mathematics, and physics; and electives, selected with approval of the advisor, appropriate to a concentration.

Mission

The mission of the School of Biological Sciences is to promote student and faculty professional growth and development through integration of teaching and research. The School contributes to the biological literacy of all students, advances biological knowledge, and is a resource for the state, region and nation.

Objectives and Career Opportunities

The School of Biological Sciences provides a solid foundation in both the biological sciences and chemistry and is designed to prepare students for a broad range of careers. The BS degree in Biology and the BS degree in Medical Technology allow students to design a medical/science-oriented curriculum that meets their career goals. The Animal Biology, Applied Biology, Cell and Molecular Biology, Microbiology, and Plant Biology concentrations prepare students for postgraduate study or for jobs as research assistants, managers or staff scientists in a wide range of academic and industrial laboratories, state and federal agencies, and private industry.

Degree Programs and Concentrations

Two undergraduate degrees are offered: BS in Biology and BS in Medical Technology. The BS in Biology offers areas of concentration in Animal Biology, Applied Biology, Cell and Molecular Biology, Microbiology, and Plant Biology.

Biology

Program Information

Students completing a degree in Biology select a concentration based upon their career goals. Students are urged to consult with advisors in selecting the concentration that is best suited to their post-graduate career. The course work in biology satisfies the course requirements for entrance to most graduate, medical and dental schools, as well as other medical fields if certain electives are taken. Graduates in microbiology are in demand as research assistants in various academic and industrial laboratories.

Occasionally, students are accepted to and enroll in medical, dental, or other professional school before completion of the bachelor's degree. Such a student may make application to receive a BS degree in Biology from Louisiana Tech University after successfully completing one year of professional school provided the following criteria are met: (1) completion of the General Education Requirements, and (2) completion of 90 semester credit hours to include Biological Sciences 130-133, 310, 313; 320 or 335 or 405; Chemistry 100-104 or 107, 108; 250-254; 351, 352; Statistics elective.

The opportunities for graduates in Plant Biology are varied, including employment in state and federal agencies such as agricultural experiment stations and the National Park Service. Graduate work in Plant Biology can lead to teaching and research opportunities.

The Applied Biology concentration provides a wide variety of elective choices to prepare students for postgraduate study or for jobs in academic and industrial laboratories, state and federal agencies, and private industry. This concentration is not suitable for students intent on applying to medical or dental schools, but may be "customized" to fulfill requirements for admission to allied health programs.

To graduate with a BS degree in Biology, the student must have a minimum grade point average of 2.0 in all Biological Sciences courses and may not have earned less than a grade of C in a required Biological Sciences course.

Biology Curriculum (BS)

Freshman Year	
Natural Sciences (GER)	
Biological Sciences 130, 131, 132, 133, 260.....	12
English (GER).....	6
Mathematics (GER)	
Mathematics 100 or 101, and 112	6
Directed Electives*	8
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	32

Sophomore Year	
Humanities (GER)	
English 201 or 202.....	3
History Elective	3
Physics 209, 210, 261, 262	8
Directed Electives*	14-16
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	28-30
Junior Year	
Biological Sciences 310.....	
Humanities (GER)	
English 303.....	3
Speech 110, 377, or English 463	3
Social Science (GER).....	3
Statistics	3
Directed Electives*	14-15
Electives	3
	<hr/>
	32-33
Senior Year	
Arts (GER).....	
Biological Sciences 313, 480.....	4
Social Science (GER).....	6
Directed Electives*	13-16
Electives	3
	<hr/>
	29-32

Total Semester Hours..... 124
(GER): General Education Requirements (pg. 14)

*Directed Electives chosen by student in consultation with advisor from one of the following concentrations:

Animal Biology Concentration Directed Electives

Freshman Year: Chemistry 100, 101, 102, 103, 104 (8) Sophomore Year: Biological Sciences 290, 320, 321 (8); Chemistry 250, 251, 252, 253, 254 (8) Junior Year: Biological Sciences Restricted Elective * (3); Biological Sciences Elective (3); Chemistry 351, 352, 353, 354 (8) Senior Year: Biological Sciences Restricted Elective * (6); Biological Sciences Electives (8).

*To be selected from BISC 401, 407, 411, 424, 466, 470.

Applied Biology Concentration Directed Electives

NOTE: Does not meet the minimum requirements for admission to medical or dental school.

Freshman Year: Chemistry 100, 101, 102, 103, 104 (8) or Chemistry 120, 103, 121, 122 (8) Sophomore Year: Biological Sciences Anatomy Elective (4); Biological Sciences 315, 320 and 321 or 335 or 405 (6); Biological Sciences Electives (6). Junior Year: Biological Sciences Electives (9); Science Electives (6). Senior Year: Science Electives (13)

Cell and Molecular Biology Concentration Directed Electives

Freshman Year: Chemistry 100, 101, 102, 103, 104 (8) Sophomore Year: Biological Sciences 315, 320 or 335 or 405 (6); Chemistry 250, 251, 252, 253, 254 (8) Junior Year: Biological Sciences Restricted Electives * (6); Chemistry 351, 352, 353, 354 (8). Senior Year: Biological Sciences 422 (3); Biological Sciences Restricted Electives * (7); Biological Sciences Electives (6)

*To be selected from BISC 321, 402, 404, 407, 408, 409, 411, 470, 487, 490, 491, 492.

Microbiology Concentration Directed Electives

Freshman Year: Chemistry 100, 101, 102, 103, 104 (8) Sophomore Year: Biological Sciences 335 (3); Biological Sciences Restricted Elective * (3); Chemistry 250, 251, 252, 253, 254 (8) Junior Year: Biological Sciences Restricted Electives * (6); Chemistry 351, 352, 353, 354 (8) Senior Year: Biological Sciences 408, 422 (6); Biological Sciences Restricted Elective * (3); Biological Sciences Electives (7)

*To be selected from BISC 315, 401, 402, 409, 421, 424, 444, 454, 459, 487, 490, 491, 492.

Plant Biology Concentration Directed Electives

Freshman Year: Chemistry 100, 101, 102, 103, 104 (8) Sophomore Year: Biological Sciences 221, 222 (6); Chemistry 250, 251, 252, 253, 254 (8) Junior Year: Biological Sciences Elective (6); Chemistry 351, 352, 353, 354 (8) Senior Year: Biological Sciences 216, 217, 405 or 412, 419 (10); Biological Science Electives (6)

Requirements for a Minor in Biology

Twenty-one hours of Biological Sciences (BISC) courses with a minimum of 9 hours in 300-400 level courses. Course selection must include Biological Sciences 130, 131, 132, 133, 310, 313, plus a physiology course (Biological Sciences 320 and 321, or 335, or 405).

Medical Technology (Clinical Laboratory Science)

Program Information

Medical technologists (clinical laboratory scientists) are clinical specialists who design, perform, evaluate, and supervise biological, chemical, and other clinically related tests. Job opportunities for these specialists exist in hospitals, clinics, research facilities, government agencies, educational institutions, and industries.

Graduates of the program in Medical Technology are required to complete 125 semester hours of specified course work, which includes 1 calendar year (40 semester hours) of professional course work in an accredited medical center program affiliated with Louisiana Tech University. These programs are located in metropolitan areas throughout the region and provide “hands on” training. Affiliated medical center programs are located at Lake Charles Memorial Medical Center, Lake Charles, LA; Our Lady of the Lake Medical Center, Baton Rouge, LA; Rapides General Hospital, Alexandria, LA; St. Elizabeth Hospital, Beaumont, TX; St. Francis Medical Center, Monroe, LA; Veterans Administration Medical Center, Shreveport, LA; Wadley Regional Medical Center, Texarkana, TX, Baptist Health System, Little Rock, AR, and Comanche County Memorial Hospital, Lawton, OK.

During the third quarter of the sophomore year, students are counseled as to their progress toward meeting the minimum academic requirements for admission to the professional education component. This evaluation is based on the student’s progress in completing all required pre-professional courses, a minimum cumulative grade point average of 2.7, no grade less than C in a subject area, and the recommendation of the program faculty.

Students who meet the criteria listed above are allowed to complete the formal application process to professional training sites. Applications should be completed by the end of the third quarter of the sophomore year. Applicants are admitted to the professional programs on a competitive basis by using both academic and non-academic criteria. Admission decisions are made by the Admissions Committee at each site. Applicants are informed of the decision of the Admissions Committee by the first quarter of the junior year. Students who are not selected for admission are counseled as to their deficiencies and of appropriate remedial action or alternative career opportunities.

Students who are accepted into the professional program enroll in courses chosen by the student and the Program Coordinator. On-campus registration for these students is coordinated with campus faculty with appropriate fees paid by the student at the time of registration. The student must comply with all University policies and the policies of the clinical affiliate. These policies are stated in the bulletin or the program brochure of each clinical site. Students must maintain a grade of C or better in all clinical courses. Students who fail to follow these policies are dropped from the program. On-site living expenses are the responsibility of the student. University financial aid (loans, grants, scholarships) is available to students during clinical training.

After completion of professional education, the student is awarded the BS degree and is eligible for professional certification, which is achieved by passing a nationally recognized registry examination.

Medical Technology Curriculum (BS)

Freshman Year	
Biological Sciences 250.....	2
Natural Sciences (GER)	
Biological Sciences 130, 131, 224, 226	8
Chemistry 100, 101, 102, 103, 104.....	8
English (GER)	6
Mathematics (GER)	
Mathematics 100 or 101	3
Social Sciences (GER)	
Psychology 102 or Sociology 201	3
	30
Sophomore Year	
Arts (GER).....	3
Biological Sciences 246, 260.....	7
Chemistry 121*	3
Health Information Management 240.....	3
Humanities (GER)	
English 201 or 202.....	3
History.....	3
Mathematics (GER)	
Statistics 200	3
English 303.....	3
	28
Junior Year	
Biological Sciences 341, 343, 344, 345.....	13
Clinical Laboratory Science 457	2
Health Information Management 440	3
Humanities (GER)	
Speech 110 or 377.....	3
Social Sciences (GER)	6
	27
Senior Year	
Directed Electives**	40
	40
Total Semester Hours.....	125
(GER): General Education Requirements (pg. 14)	
* The student may elect to take CHEM 250, 251, 252, 253, 254 in lieu of CHEM 121.	
**The student and Program Coordinator will choose courses from Clinical Laboratory Science 460-489.	

Requirements for a Minor in Medical Technology

Twenty-one hours of course work chosen from Biological Sciences 245, 250, 260, 341, 402, 445, 446, 447, and Clinical Laboratory Sciences 450, 457.

Pre-Professional Course Work

In addition to the 2 degrees offered above, Louisiana Tech University can prepare you for entry to professional programs offered at other institutions.

NOTE: Please be aware that the pre-professional course work necessary for admission to these programs is specified by the admitting institution, NOT Louisiana Tech. Therefore, it is the responsibility of each student to obtain a catalog, or printout of the web site, from the school where he or she plans to attend and determine which courses are required. The student can then “customize” his/her course work in consultation with an advisor from the School of Biological Sciences to fulfill the requirements of a particular institution.

Examples of such programs are as follows:

- ? Pre-Cardiopulmonary Science
- ? Pre-Occupational Therapy
- ? Pre-Optometry
- ? Pre-Pharmacy
- ? Pre-Physician Assistant
- ? Pre-Physical Therapy
- ? Pre-Radiologic Technology

Admission to professional phases of these programs is on a competitive basis. Furthermore, it should be noted that although some programs will consider students after 2 years of course work at Louisiana Tech, in reality many students are admitted only after completion of a baccalaureate degree. If there is any question about this, it is the student's responsibility to contact the admitting professional program for clarification.

REMEMBER: It is the student's responsibility to determine what is required for admission to the particular institution in which he/she is interested.

The Graduate Program

Master of Science Degrees offered by the School of Biology are described in the graduate section of the University Catalog.

Interdisciplinary Degree in Environmental Science

Program Information

The Environmental Science program consists of a multi-disciplinary curriculum emphasizing pure and applied sciences, and the application of critical thinking to environmental problems. Participating academic units include Agricultural Sciences, Biological Sciences, Chemical Engineering, Forestry, and Geosciences. The curriculum incorporates 22 hours of directed electives to allow students to obtain a minor in an area of particular career interest. Numerous minors are available at Louisiana Tech University; specific requirements for minors are identified in the departmental sections of this Catalog.

A junior or senior internship or cooperative education experience is a requirement of the curriculum because it contributes to the preparation of students for a career in environmental science; thus graduates are ready for a wide range of employment opportunities. Potential employers are regulatory agencies, industrial firms, commercial laboratories, consulting firms, and environmental organizations. Also, graduates may pursue enrollment in professional or graduate schools.

Environmental Science Curriculum (BS)

Freshman Year	
Environmental Science 211.....	3
Natural Sciences (GER)	
Biological Sciences 130, 131, 132, 133.....	8
Chemistry 100, 101, 102, 103, 104.....	8
English (GER).....	6
Mathematics (GER)	
Mathematics 100 or 101, and 112.....	6
	31
Sophomore Year	
Biological Sciences 216, 217.....	4
Chemistry 121, 205.....	7
Humanities (GER)	
English 303.....	3
English (Literature).....	3
Arts (GER).....	3
Geology 111, 121.....	4
Social Sciences (GER)	
Geography.....	3
Mathematics 220.....	3
Directed Electives*.....	3
	33
Junior Year	
Environmental Sciences 313.....	3
Biological Sciences 260.....	4
Geographic Information Science 255, 355.....	5
Environmental Sciences 477/478/479 (recommended) or	

Special Problems.....	3
Environmental Science 310, 311.....	4
Humanities	
English 463 or Speech 110, 377.....	3
Statistics.....	3
Directed Electives*.....	6
	31
Senior Year	
Environmental Science 400, 444, 458.....	7
Humanities (GER)	
History.....	3
Social Sciences (GER)	
Political Science.....	3
One other Social Sciences discipline.....	3
Directed Electives*.....	12
	28

Total Semester Hours..... 123

(GER): General Education Requirements (pg. 14)

*Students are expected to obtain a minor in an area of their choice; if students choose not to seek a minor, directed electives are selected from the following: Animal Science, Biology, Chemical Engineering, Chemistry, Environmental Science, Forestry, Geography, Geology, Physics, and Plant Science.

Students are required to complete individual professional courses (Biology, Chemistry, Environmental Science, Geology, Statistics, and Directed Electives) with a minimum grade of C.

Requirements for a Minor in Environmental Science

Twenty-one hours course work to include Geology 111, Environmental Science 200, 310, 313, 417, 458, and 3 hours of Biological Sciences, Chemistry, Environmental Science, Forestry, Geology, or Plant Science at the 300 level or above.

School of Forestry

Mission:

The mission of the School of Forestry is "To enhance the social, ecological, and economic value of forest resources for the citizens of Louisiana and the nation through professional education, basic and applied research, and service to the public and natural resource managers."

The specific goals are to:

1. maintain an accredited undergraduate forestry education program,
2. maintain an undergraduate wildlife conservation education program, that meets certification requirements of The Wildlife Society,
3. conduct research relevant to enhancing Louisiana's forestlands and associated natural resources, and
4. conduct continuing education and service activities to meet the needs of Louisiana's forest landowners.

Degree Programs

The School of Forestry offers two degree programs. One leads to a Bachelor of Science in Forestry (BSF) and the other to a Bachelor of Science in Wildlife Conservation (BS). The Forestry curriculum is designed for students who desire scientific knowledge of conservation and management of forestry resources, such as timber inventory, site productivity, resource protection, and many other activities carried out in the production of wood and wood fiber. The Wildlife Conservation curriculum is designed for students who desire scientific knowledge of the conservation and management of wildlife. This curriculum emphasizes the life history, habitat relationships, and habitat management of wildlife species and communities. Students are trained as managers, naturalists, and

researchers through course work and practical experience with wildlife professionals.

Students are encouraged to complete at least 1 internship (on-the-job experience) during their course of study. The Forestry curriculum requires that students complete individual professional courses (Forestry prefix) with a minimum grade of **C** and maintain a minimum grade point average of 2.0 on all courses taken. The Wildlife Conservation curriculum requires that students complete individual professional courses (Forestry and Biological Sciences prefixes) with a minimum grade of **C** and maintain a minimum grade point average of 2.0 on all courses taken.

The educational program in Forestry leading to the professional degree of BSF is accredited by the Society of American Foresters (SAF). SAF is recognized by the Council for Higher Education Accreditation as the specialized accrediting body for forestry in the United States. Graduating seniors are expected to pass the Registered Foresters Exam offered by The Mississippi Board of Registration for Foresters or similar competency exam. The Wildlife Conservation degree program meets the certification requirements of The Wildlife Society, and graduates may apply for certification as an Associate Wildlife Biologist.

Field Session

Successful completion of the Forestry Summer Field Session during the junior year is a prerequisite for senior standing. Students who have completed all prerequisites, including all 100 level courses, FOR 205, 206, 301 (or BISC 313), 302, 306, 317, 405, MATH 212, and have at least an overall C average are eligible to enroll. Field Session students are also required to meet the conditions as outlined in the *Forestry Summer Field Session Academic and Operating Policies* document which is available from the School of Forestry upon request.

Field Trips

During the junior and senior years, field trips are made to forest production areas, wood-using plants, and wildlife management areas. These enable students to observe forestry, wildlife management, research, and wood-using activities of private companies and government agencies. Many of the important forest types and management activities, as well as a wide variety of wood-using industries, are located near campus.

Expenses

Field trips cannot always be arranged within the scheduled laboratory hours. In some cases, students must leave the campus earlier and return later than the published class schedule. The payment for meals and lodging when overnight trips are necessary are the responsibility of the individual student. This includes the field session. In addition to regular expenses, a special fee is charged each student who attends the field sessions.

Each student registering for any forestry or biological sciences course involving field laboratory work should have, for self-protection, an accident insurance policy. Policies are available during registration to all students for a reasonable cost.

A number of student assistants are employed by the School each year. This enables the students to work part-time while attending school.

Transfer Credit

Students may complete 62 semester hours of the forestry or the wildlife conservation major at regionally accredited institutions. However, transfer credit will only be accepted for courses completed with a C or better grade and must be approved during the student's first quarter at Tech.

The professional core courses in forestry and wildlife conservation must be completed at Louisiana Tech University.

Students who are considering transfer to the School of Forestry should contact the Director's Office, School of Forestry, prior to enrollment at other institutions.

Forestry Curriculum (BSF)

Freshman Year	
Natural Sciences (GER)	
Biological Sciences 134	3
Social Sciences (GER)	
Economics 201, 202, or 215	3
Two other Social Sciences courses	6
English (GER)	6
Arts (GER)	3
Forestry 101	1
Mathematics (GER)*	3
Elective	3
	<hr/>
	28
Sophomore Year	
Natural Sciences (GER)	
Chemistry 120, 121, 122 or	
Chemistry 100, 101, 102, 103	7
Humanities (GER)	
English 201 or 202	3
History	3
Forestry 202, 205, 206, 211, 312, 313	12
Mathematics (GER)*	3
Statistics Elective **	3
	<hr/>
	31
Junior Year	
Humanities (GER)	
English 303	3
Forestry 300, 301, 302, 306, 314, 315, 317, 318, 319, 320,	
324, 355	32
	<hr/>
	35
Senior Year	
Forestry 322, 401, 402, 404, 406, 410, 413, 425	22
Humanities (GER)	
Speech 110 or 377, or English 463	3
Electives	6
	<hr/>
	31
Total Semester Hours	125

(GER): General Education Requirements (pg. 14)

*Mathematics must be one of the following:

1. MATH 101 and MATH 212, or
2. MATH 112 and MATH 220, or
3. MATH 112 and MATH 222

**Statistics Elective : AGSC 320, QA 233, PSYC 300, or STAT 200

Wildlife Conservation Curriculum (BS)

Freshman Year	
Natural Sciences (GER)	
Biological Sciences 130, 131, 132, 133	8
Chemistry 120, 121, 122 or	
Chemistry 100, 101, 102, 103	7
Forestry 101	1
English (GER)	6
Mathematics (GER)	
Mathematics 100 or 101, and 212	6
Social Sciences (GER)	3
	<hr/>
	31
Sophomore Year	
Biological Sciences 200 or 310	3
Forestry 205, 206	3
Humanities (GER)	
English 201 or 202	3
History	3
Speech 110 or 377	3
Social Sciences (GER)	6

Arts (GER)	3
Statistics Elective	3
	27
Junior Year	
Biological Sciences 221, 313*, 317, 458	12
Forestry 300, 302, 306, 314, 315, 317, 320, 324	22
	34
Senior Year	
Biological Sciences 413, 432, 433	9
Animal Science 309	3
Forestry 355, 401, 410, 445	12
Humanities (GER)	
English 303	3
Elective**	6
	33

Total Semester Hours125
 (GER): General Education Requirements (pg. 14)

*Students are strongly encouraged to take Biological Sciences 313; however, students may elect Forestry 301 if their career goals dictate.

**Students are strongly encouraged to use elective credits to complete an internship or cooperative education experience and Forestry 455, Intermediate Geographic Information Systems.

Requirements for a Minor in Forestry

Twenty-two or 23 hours to include Forestry 202, 205; Forestry 301 or Biological Sciences 313; Forestry 302, 306, 312 or 313, 355 or 404, and 406.

Requirements for a Minor in Geographic Information Science:

Forestry 317 or Geographic Information Science 317; Forestry 324 or Geographic Information Science 324; Forestry 355 or Geographic Information Science 355; Forestry 455 or Geographic Information Science 455; Geography 380 or Geographic Information Science 380; Geography 480 or Geographic Information Science 480; and one additional Geography course; one quantitative methods course chosen from Agricultural Sciences 320, Quantitative Analysis 233, or Statistics 200, 402, or 405. Total 22 or 23 semester hours.

Requirements for a Minor in Wildlife Conservation

Twenty-one hours to include Biological Sciences 317, 432, 433; Forestry 314; Biological Sciences 313 or Forestry 301; Biological Sciences 221 or Forestry 205, 206; 3 semester hours to be selected from the following: Biological Sciences 401; Biological Sciences 428 or Forestry 428; Animal Science 309; Forestry 355, 445.

Department of Health Information Management

Health Information Management professionals collect, integrate, and analyze primary and secondary health care data, disseminate information, and manage information resources related to the research, planning, provision, and evaluation of health care services.

High school students planning to enter a Health Information Management program should take the general college preparatory courses and be computer literate.

Applicants for readmission and transfer students must meet program criteria at the time of admission to the program. If application for readmission occurs more than three quarters since the student was enrolled in a Health Information Management (HIM) course, a committee of Health Information Management faculty will determine placement in the curriculum and any remedial course work necessary. Transfer credit from another accredited health information management program in a regionally accredited college will be evaluated to determine similarity of course content. Courses with the same content in which the student earned at least a C can be transferred. Credit

from a non-accredited program will be granted provided the course is the same in content, the student earned at least a C in the course, and mastery of course material is validated by examination. The Health Occupations Basic Entrance Test (HOBET) is required prior to registering in HIM 107.

Students are required to adhere to stated prerequisite courses. A request for a waiver of a stated prerequisite course must be submitted to the student's advisor who will make a recommendation to a committee of HIM faculty. The committee will consider overall GPA, HIM GPA, and prior work experience in their decision.

The Health Information Management programs include a professional practice component in which the student performs medical record procedures in hospitals and other health care facilities. To be eligible to register for the professional practice, the student must earn a minimum grade of C in prerequisite courses, achieve a minimum GPA of 2.25 in the curriculum, and have the approval of the committee of HIM faculty. In addition to regular University fees, students beginning directed practice must provide name pins and their own transportation. The quarter preceding graduation is spent at off-campus affiliated sites where the student will gain experience in a variety of health care organizations. The course number in which the student enrolls will be determined by the geographic location of the clinical sites from Louisiana Tech University: 100 miles, 101-200 miles, and over 200 miles. These experiences may be clustered in the North Louisiana area. There are additional sites in other cities in Louisiana, Texas, Mississippi, Arkansas, and other states for students who are able to spend a period of time in another area. Each student's professional practice experience is individually planned with the student to fulfill the educational requirements within the student's financial and travel limitations. These professional practice experiences will be scheduled for students who have

1. completed all course work on-campus
2. have no grades in required courses in the curriculum less than a C,
3. have a curriculum GPA of no less than 2.25,
4. and have an overall GPA of no less than 2.0.

A student's professional practice experience will be terminated for inappropriate professional behavior and lack of adherence to ethical standards. The student who terminates a professional practice experience without permission from the HIM professional practice coordinator and the professional practice site will not be scheduled for further professional practice experiences.

If a student wishes to enroll in a professional practice course after a lapse of more than three quarters since completion of the prerequisite courses, a committee of HIM faculty will determine whether remedial course work is necessary before placing the student in professional practice.

Louisiana Tech offers Health Information Technology graduates the opportunity to progress towards the four year degree. This is done by attending compressed video classes and participating in internet classes. Students are required to have an associate degree in HIT and possess RHIT credentials obtained within the last three years. Progression students must complete all junior and senior classes. A minimum of 2.0 grade point average and 122 semester hours are required to receive the BS in Health Information Administration.

Students must earn a C in all required courses before being eligible for graduation from the program. A HIM student may repeat only 1 HIM course, elective or required. The student will be permanently suspended from the HIM programs following the second HIM course grade below a C.

Students seeking information concerning admission to the Health Information Management programs may contact the Health Information Management Department, P.O. Box 3171, Louisiana Tech University, Ruston, LA 71272.

Health Information Technology

The associate degree curriculum emphasizes the technical component of providing a variety of health information services.

The Health Information Technology (HIT) program requires 6 quarters of study on campus plus 1 quarter off campus at professional practice sites.

Students must complete certain courses in a specified sequence in order to complete their studies within the 2 year time frame. Therefore it is very important that first-year students develop a plan of study with their assigned advisor. This plan of study will be placed on file in the Department of Health Information Management office before or during registration for the Winter Quarter. Failure to develop a curriculum plan with the advisor and to follow the plan could prolong the course of study.

The program is accredited by the Commission on Accreditation of Allied Health Education Programs in cooperation with the Council on Accreditation of the American Health Information Management Association. Graduates of the program are eligible to apply to write the accreditation examination of the American Health Information Management Association. Graduates who pass this examination may use the credential, RHIT, Registered Health Information Technician. The two-year program leads to the Associate of Science degree.

Health Information Technology Curriculum (AS)

Freshman Year	
Biological Sciences 225, 227	6
English (GER)	
English 101	3
Health Information Management 103, 107, 108, 115, 226, 240	15
Humanities (GER)	
Speech 110 or 377	3
Mathematics (GER)	
Mathematics 100 or 101	3
Statistics 200	3
	33
Sophomore Year	
Arts (GER)	3
English (GER)	
English 102	3
Health Information Management 120, 207, 208, 217, 218, 219, 224, 229, 234, 235, 241, 277/278/279, 280	30
Social Science (GER)	3
	39
Total Semester Hours	72
(GER): General Education Requirements (pg. 14)	

Health Information Administration

The baccalaureate degree curriculum emphasizes the development of skills for the management of health-related information and the systems used to collect, store, retrieve, disseminate, and communicate information for the support of enterprise operations and clinical and business decision making in health care or related organizations.

The Health Information Administration (HIA) program requires 12 quarters of study on-campus plus 1 quarter off-campus at professional practice sites.

The Health Information Administration program received the Louisiana State Board of Regents' Commendation of Excellence, the highest recognition awarded to an academic program by this group.

The program is accredited by the Commission on Accreditation of Allied Health Programs in cooperation with the Council on Accreditation of the American Health Information Management Association. Graduates of the program are eligible to apply to write the registration examination of the American Health Information Management Association. Graduates who pass this examination may use the credential, RHIA, Registered Health Information Administrator. This program leads to the Bachelor of Science Degree.

Health Information Administration Curriculum (BS)

Freshman Year	
Natural Sciences (GER)	
Biological Sciences 225, 227	6
English (GER)	
English 101, 102	6
Health Information Management 103, 107, 108, 115, 120, 128	14
Mathematics (GER)	
Mathematics 100 or 101, and 125	6
	32
Sophomore Year	
Health Information Management 207, 208, 217, 218, 219, 224, 226, 234, 241, 280, 333	
	24
Natural Sciences (GER)	
Chemistry 120	3
Social Sciences (GER)	
Psychology 102	3
	30
Junior Year	
Humanities (GER)	
English 201, 202	6
Speech 110 or 377	3
Health Information Management 312, 318, 319, 330	10
Management 310	3
Social Sciences (GER)	
Sociology 201	3
An additional Social Sciences course	3
	28
Senior Year	
Arts (GER)	
	3
Clinical Laboratory Science 450	
	3
Health Information Management 417, 418, 425, 430, 431, 477/478/479	
	18
Humanities (GER)	
History	3
Management 470	3
	30
Total Semester Hours	120
(GER): General Education Requirements (pg. 14)	

School of Human Ecology

Mission

The mission of the School of Human Ecology is to improve the quality of life for individuals and families through education and applied research that emphasizes family systems and consumer sciences. Consistent with the University and College, this mission is implemented through instruction, research, and service which involves:

- 2. Implementing undergraduate and graduate curricula that reflect current trends from the rapidly changing and complex professional environments, that expand students' knowledge of the field, stimulate intellectual curiosity, cultivate original thought and expression, and enhance problem-solving skills.

- ? Contributing to current knowledge through research in the areas of family and child studies, merchandising and consumer affairs, and nutrition and dietetics.
- ? Providing professional expertise to other professionals, the university community and the community-at-large.

Programs

The School of Human Ecology offers 4 undergraduate degree programs (Family and Child Studies, BS; Family and Consumer Sciences Education, BS; Merchandising and Consumer Affairs, BA; Nutrition and Dietetics, BS), a post-baccalaureate dietetic internship, and 2 graduate programs (Family and Consumer Sciences, MS; Nutrition and Dietetics, MS). In addition, the School of Human Ecology collaborates with the College of Education to offer the Early Childhood Education undergraduate degree program.

Undergraduate programs in the School of Human Ecology are accredited by the Council for Accreditation of the American Association of Family and Consumer Sciences. The nutrition and dietetics undergraduate program is approved by the Commission on Accreditation/Approval for Dietetic Education of the American Dietetic Association, and the post-baccalaureate dietetic internship is accredited. The Family and Consumer Sciences Education program, which satisfies state teacher certification standards is included in the University accreditation by the National Council for the Accreditation of Teacher Education. The Early Childhood Education Center is accredited by the National Academy of Early Childhood Programs. In addition, the Family Science concentration in the Family and Child Studies program has been certified by the National Council on Family Relations.

Family and Child Studies

Career Opportunities

Students completing the BS degree in Family and Child Studies will choose one or more of three concentrations: Applied Child Development, Child Life, or Family Science. All concentrations provide students with a broad background in child development and guidance, family dynamics, coping strategies, and interpersonal skills. Each concentration includes theory-based courses, application-based courses, and experiential education courses.

The Applied Child Development concentration prepares students to work with children of all ages in a variety of settings. Graduates may find employment in social agencies, child care settings, and related programs. The Applied Child Development concentration is not a teacher certification program.

The Child Life concentration prepares students to become child life specialists. After completing the BS degree in Family and Child Studies, graduates complete an internship and pass a national certification examination to become certified child life specialists. Child life specialists work primarily in the hospital setting, although some graduates have obtained jobs working with children in social and community agencies, bereavement programs, and corporate child care.

The Family Science concentration prepares students for a variety of human services positions, including community support services; counseling and youth agencies; law or public policy; and employee assistance programs. Approximately half of the students completing this concentration enter graduate programs in social work, marriage and family therapy, Christian education, and others.

Program Information

Students in the Family and Child Studies program are eligible to apply for upper division after they have completed at least 30 semester hours, including 6 hours of English composition, 6 hours of mathematics, and 6 hours of Family and Child Studies courses; have at least a 2.2 GPA; earned a C or better in English 101 and 102, Mathematics 101, and all Family and Child Studies courses taken at Louisiana Tech University. Students are required to be admitted to upper division before enrolling in 300 and 400 level Family and Child Studies courses. A C or better in all Family and Child Studies courses also is required in order to meet graduation requirements.

Family and Child Studies Curriculum (BS)

Freshman Year	
English (GER)	6
Family and Child Studies 201 and 210	6
Humanities (GER)	
History	3
Speech 110 or 377	3
Mathematics (GER)	
Mathematics 100 or 101	3
Mathematics 125 or Statistics 200	3
Merchandising and Consumer Studies 246	3
Natural Sciences (GER)	
Biological Science	3
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30	
Sophomore Year	
Humanities (GER)	
English 201 or 202	3
English 303 or 332	3
Human Ecology Practica	1
Merchandising and Consumer Studies 256	3
Natural Science (GER)	
Physical Science	3
Physical or Biological Science	3
Social Sciences (GER)	
Psychology	3
Sociology	3
Directed Electives*	8-9
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30-31	
Junior Year	
Arts (GER)	3
Family and Child Studies 320	3
Human Ecology 398	1
Human Ecology Practica	2
Restricted Electives	6
Directed Electives*	13-15
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28-30	
Senior Year	
Elective	3
Family and Child Studies Elective	3
Family and Child Studies 395, 410	6
Human Ecology 457	1
Human Ecology Practica	3
Social Science (GER)	
Psychology or Sociology elective	3
Directed Electives*	12
<hr/>	
31	
Total Semester Hours	
120-122	
(GER): General Education Requirements (pg. 14)	
* Directed Electives are those chosen by student, in consultation with advisor, from one of the following concentrations:	

Applied Child Development Concentration Directed Electives

Sophomore Year: (8 hours) Family and Child Studies 100, 200; Food and Nutrition 223. Junior Year: (13 hours) Family and Child Studies 277, 301, 331, 341, 361. Senior Year: (12 hours) Family and Child Studies 400, 432, 451; Family and Child Studies Elective (3).

Child Life Concentration Directed Electives

Sophomore Year: (9 hours) Family and Child Studies 280, 291; Health Information Management 103. Junior Year: (14 hours) Family and Child Studies 301, 331, 341, 355, 361. Senior Year: (12 hours) Family and Child Studies 380, 432, 451; Family and Child Studies Elective (3).

Family Science Concentration Directed Electives

Sophomore Year: (9 hours) Family and Child Studies 100, 101, 200. Junior Year: (15 hours) Family and Child Studies 301 or 331 or 341; Family and Child Studies 355, 435, 471; Family and Child Studies Elective (3). Senior Year: (12 hours) Family and Child Studies 400, 420, 447; Family and Child Studies Elective (3).

Requirements for a Minor in Family and Child Studies

Required courses include Family and Child Studies 201 and 210. An additional 15 hours should be selected from the following: Family and Child Studies 100, 200, 277, 301, 320, 331, 400, 410, 420, 432, 435, 447, 451, or 471. At least 12 hours should be 300 level or above.

Family and Consumer Sciences Education

Career Opportunities

Family and Consumer Sciences Education is a teacher certification program. Graduates are prepared to teach vocational family and consumer sciences in Louisiana secondary schools.

Program Information

Upper division requirements for the Family and Consumer Sciences Education program are established by the Louisiana Tech University Teacher Education Council. Students applying for upper division must have earned 46 semester hours by the end of the quarter the application is made. They must have an earned grade point average of 2.5 and a minimum cumulative grade point average of 2.2. Students must have completed University Seminar 100, Speech 110 or 377, Education Curriculum and Instruction 310, English 101 and 102 and 201 or 202, Social Studies (9 hours), and Mathematics (6 hours). A grade of C or better is required in English 101 and 102, Speech 110 or 377, Education Curriculum and Instruction 125, and Merchandising and Consumer Studies 246. At the point of application, students must have a minimum C average in science, math and social studies. Applicants must have passed the first section of the PRAXIS Exam. They must have had their speech and hearing rated "satisfactory" by the Louisiana Tech University Department of Speech. Applicants must possess those physical, emotional, and mental traits needed for successful performance in a regular classroom and must not be on University academic or disciplinary probation or suspension. Any student seeking admission to upper division who has been convicted of a felony may be denied admission. Applications should be turned in to the advisor at least one week prior to the beginning of the quarter.

Students in the Family and Consumer Sciences Education baccalaureate program are required to earn a C or better on all human ecology and professional education courses. Students are required to apply for student teaching. A grade point average of 2.5 is required for enrollment in student teaching. Students are required to successfully complete the PRAXIS-PLT and the PRAXIS specialty exam prior to student teaching.

Family and Consumer Sciences Education - Grades 7-12 Curriculum (BS)

Freshman Year	
Education Curriculum & Instruction 125	1
English (GER)	6
Family & Child Studies 201	3
Human Ecology 267A	1
Humanities (GER)	
History 201 or 202	3
Speech 110 or 377	3

Mathematics (GER)	
Mathematics 100 or 101, and 125	3
Merchandising and Consumer Studies 246	3
Natural Sciences (GER)	
Biological Sciences 101 or 130	3
	<hr/>
	29

Sophomore Year	
Education Curriculum & Instruction 310	3
Humanities (GER)	
English 201 or 202	3
English 303	3
Food & Nutrition 232	3
Merchandising & Consumer Studies 256	3
Natural Science (GER)	
Biological Science 102 or 132	3
Geology 111 or Physics 205	3
Social Science (GER)	
Political Science 201	3
Psychology 207	3
Sociology 201	3
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	30

Junior Year	
Arts (GER)	3
Education Curriculum & Instruction 434, 435, 471	9
Family & Child Studies 200	3
Food & Nutrition 220	3
Human Ecology 398	1
Merchandising & Consumer Studies 219,366, 426	9
Restricted Electives *	6
	<hr/>
	34

Senior Year	
Education Curriculum & Instruction 403,416, 473	15
Education Curriculum & Instruction 480 or	
Secondary Focus Electives	3
Family & Child Studies 410	3
Human Ecology 405, 415, 457	5
Restricted Electives *	6
	<hr/>
	32

Total Semester Hours..... 125

(GER): General Education Requirements (pg. 14)

*Restricted Electives to be selected by student in consultation with advisor to satisfy requirements for secondary teaching area.

Merchandising and Consumer Affairs

Career Opportunities

Students completing the BA in Merchandising and Consumer Affairs complete a freshman core of courses and then choose one of two concentrations: Merchandising or Consumer Affairs.

The Consumer Affairs concentration prepares students for employment with government and private consumer service agencies and/or businesses related to management and consumer education, customer service, consumer and housing policy, consumer public relations and cooperative extension. A minor in Business Administration is included in the course requirements.

The Merchandising concentration prepares students for careers in merchandising, design, and promotion. Professional preparation includes studies in product creation, production, distribution, textiles, computer applications and the opportunity to complete a minor in marketing, business administration, or art.

In both concentrations, University study is supplemented by experiential learning in local and metropolitan job settings. Travel-study programs provide students opportunities to study the global aspects of their fields.

Program Information

Students in the Merchandising and Consumer Affairs program are eligible to apply for upper division when they have a 2.2 GPA on at least 30 semester hours credit, including 6 hours of English, 6 hours of Mathematics, University seminar 100, and 6 hours of Human Ecology content courses. They must have earned grades of C or better in English 101 and 102, 3 hours of mathematics and all human content courses completed in the first 30 hours. Students must be admitted to upper division prior to enrolling in human ecology content courses numbered 300 or above.

Merchandising and Consumer Affairs Curriculum (BA)

Freshman Year	
English (GER).....	6
Mathematics (GER)	
Mathematics 100 or 101.....	3
Mathematics 112, 125, or Statistics 200.....	3
Merchandising & Consumer Studies 108, 246, 256.....	8
Natural Sciences (GER).....	9
Humanities (GER)	
Speech 110.....	3
	32
Sophomore Year	
Accounting 201.....	3
Social Sciences (GER)	
Economics 215.....	3
Psychology.....	3
Social Science.....	3
Humanities (GER)	
English 201 or 202.....	3
An additional Humanities course.....	3
Family & Child Studies 201.....	3
Merchandising & Consumer Studies 258.....	3
Directed Electives*.....	6
	30
Junior Year	
Arts(GER).....	3
Humanities (GER)	
History.....	3
Human Ecology 327, 398.....	4
Marketing 300, 420.....	6
Directed Electives*.....	14
	30
Senior Year	
Electives.....	6
Human Ecology 457.....	1
Human Ecology or Merchandising & Consumer Studies Elective.....	3
Human Ecology Practica or Merchandising & Consumer Studies 498.....	3
Journalism 450.....	3
Merchandising & Consumer Studies 466.....	3
Directed Electives*.....	9
	28
Total Semester Hours.....	120
(GER): General Education Requirements (pg. 14)	

* Directed electives chosen by student in consultation with advisor from one of the following concentrations:

Consumer Affairs Concentration Directed Electives

Sophomore Year: (6 hours) Accounting 202; Business Law 255. Junior Year: (14 hours) Family and Child Studies 447 or 471; Merchandising and Consumer Studies 366, 426; Electives (2 hours); Management 310. Senior Year: (9 hours) Finance 318; Merchandising and Consumer Studies 456; Human Ecology electives (3 hours).

Merchandising Concentration Directed Electives

Sophomore Year: (6 hours) Merchandising and Consumer Studies 219, 238. Junior Year: (14 hours) Merchandising and Consumer Studies 268, 308, 348, and 366 or 429; Management 470. Senior Year: (9 hours) Merchandising and Consumer Studies 488 and 439 or 440; Marketing 435.

Requirements for a Minor in Consumer Affairs

A minimum of 21 hours to be selected from the following: Merchandising and Consumer Studies 108, 256, 258, 366, 426, 456, 466, 498; Human Ecology 327, 477; Family and Child Studies 447, 471.

Requirements for a Minor in Merchandising

A minimum of 21 hours with at least 9 hours at the 300 level or above to be selected from: Merchandising and Consumer Studies 108, 118, 219, 238, 258, 268, 308, 348, 429, 439, 440, 466, 488, 498; Human Ecology 477.

Nutrition and Dietetics (BS)

Career Opportunities

The undergraduate program in Nutrition and Dietetics is designed for students wishing to pursue careers as registered dietitians. The program is designed to allow students to master the American Dietetic Association knowledge requirements for entry-level practice. Students completing the program must also complete a dietetic internship before they are eligible to take the Registration Examination for Dietitians. The dietetic internship at Louisiana Tech University is described in detail in the graduate program section of the University catalog.

The undergraduate program at Louisiana Tech University is a generalist program. Students complete course work that prepares them for clinical dietetics, community dietetics, and food service management. After successfully completing the undergraduate program, a dietetic internship and the Registration Examination for Dietitians, graduates are prepared to assume clinical positions in health care facilities such as hospitals; community positions in health centers like public health departments and wellness centers; and management positions in food service systems.

Program Information

Students in Nutrition and Dietetics apply for upper division status prior to enrolling in the specialized phase of the program (junior and senior years). Students are eligible for upper division when they have completed at least 54 semester hours, including 35 hours of knowledge requirement courses, with a knowledge requirement (KR) grade point average of 2.85 and no grade less than a C in knowledge requirement courses. The knowledge requirement or KR courses are those in which students achieve the core knowledge requirements for entry level dietitians as specified by the American Dietetic Association. Additional information about the ADA knowledge requirements and KR courses can be obtained from academic advisors.

A 2.85 KR-GPA, with no grade lower than C in all knowledge requirement courses is required for graduation in this curriculum.

Nutrition and Dietetics Curriculum (BS)

Freshman Year	
English (GER).....	6
Family & Child Studies 201.....	3
Food & Nutrition 103, Elective.....	4
Humanities (GER)	
English 201 or 202.....	3
Mathematics (GER)	
Mathematics 100 or 101.....	3
Merchandising & Consumer Studies 246.....	3
Natural Sciences (GER)	
Chemistry 120, 121, 122.....	7

Social Sciences (GER)	
Sociology 201	3
	32
Sophomore Year	
Accounting 101 or 201	3
Food & Nutrition 203, 220, 232, 274	12
Merchandising & Consumer Studies 256.....	3
Natural Sciences (GER)	
Biological Sciences 225, 226, 227, 228.....	8
Social Sciences (GER)	
Psychology 102.....	3
	29
Junior Year	
Biological Sciences 214.....	4
Food & Nutrition 305, 402, 403, 404, 414.....	14
Humanities	
English 303	3
Speech 110 or 377	3
Management 310.....	3
Mathematics (GER)	
Statistics 200.....	3
	30
Senior Year	
Arts (GER)	3
Food & Nutrition 302, 352, 412, 423, 463, 472.....	21
Human Ecology 398, 457.....	2
Humanities (GER)	
History Elective	3
Social Sciences (GER)	
Psychology 400.....	3
	32
Total Semester Hours	123
(GER): General Education Requirements (pg. 14)	

Requirements for a Minor in Human Nutrition

Required courses include: Food and Nutrition 103, 203, 253, 402, 404, 414, 423, 443.

Requirements for an Interdisciplinary Minor in Gerontology

The minor in Gerontology is an interdisciplinary program requiring 24 hours, with at least 10 hours from courses at the 300 level or above.

Core courses (15 hours): Family and Child Studies 201 or Psychology 408; Health and Physical Education 406; Sociology 435; Family and Child Studies 447; 3-hour practica in Education, Health and Physical Education, Human Ecology, or Sociology.

Electives (9 hours): Electives are to be selected from those listed below and approved by the advisor. It is strongly suggested that ALL students elect either Psychology 475 or Sociology 436 for 3 of the 9 hours. Other elective courses include: Counseling 400; Family and Child Studies 210, 320, 400, 420; Food and Nutrition 203; Health and Physical Education 292, 401, 416; Psychology 474, 475, 480, 499; Sociology 308, 425, 436.

Division of Nursing

The purpose of the Division of Nursing is to prepare graduates, with an Associate of Science Degree in Nursing, to function as beginning practitioners of nursing, thus affording unique benefits in meeting the health care needs of the community. The graduate will, also, upon completion of the prescribed program, be eligible to sit for the examination required for state licensure as registered nurses.

The Louisiana State Board of Nursing reserves the right to deny a graduate admission to sit for the R.N. Licensing Exam if he/she has ever been arrested, charged with, convicted of, pled guilty or no contest to, or been sentenced for any criminal offense.

The Division of Nursing is approved by the Louisiana State Board of Nursing and accredited by the National League for Nursing Accreditation Commission.

Admission to the Division of Nursing is based upon the following criteria established by the Admission Committee, Division of Nursing:

- ? Acceptable scores on the ACT.
- ? Grade point average of 2.6 or better from high school or college.
- ? Three letters of reference
- ? Evidence of LPN Licensure (if applicable)
- ? Pre-Nursing and Guidance examination (given four times a year on Tech campus)
- ? COPS Interest Test
- ? Indication of emotion stability, character, personality, maturity, and interest in nursing as determined by a personal interview.

After the student has been accepted into the nursing program, an annual physical examination is required. A chest x-ray and Hepatitis B vaccine, and varicella titer are required upon admission to the first nursing course along with current CPR certification. Students who hold or have held licensure in any health care discipline and who have or have had disciplinary action against such license; students who have ever been arrested, charged with, convicted of, pled guilty or no contest to, or been sentenced for any criminal offense; student who have habitually used or been diagnosed as addicted to drugs or alcohol; and students who have any physical or mental impairment which may affect their ability to practice safely as a registered nurse, shall petition the Louisiana Board of Nursing for review and action regarding their right to practice as student of nursing in Louisiana prior to entry into the first clinical course. Nursing students must be able to meet the Division of Nursing published *Core Performance Standards* (copy available in Nursing Office).

Applicants for readmission and transfer students must meet admission and progression criteria at the time of application. If more than 3 quarters have elapsed since the student was enrolled in a nursing course, an application to be readmitted must be approved by the Admission Committee.

All transfer students must provide a syllabus and course description for all courses for which transfer credit is desired. They must also submit a letter of reference from a faculty member of the school of nursing previously attended.

Nursing students must be covered by professional liability and accident insurance prior to registering for any nursing course.

In addition to the regular University fees, cost for uniforms, supplies, and equipment including books required in nursing program is approximately \$600 annually.

Students must achieve a minimum grade of **C** in each nursing and nursing-related course to progress from one sequentially designed nursing course to the next. A nursing course may be repeated only one time.

Upon successful completion of all course requirements, the student is eligible for graduation with an Associate of Science Degree.

Nursing Curriculum (ASN)

Freshman Year

Biological Sciences 214*, 225*, 226*, 227*	11
English (GER)	3
Humanities (GER)	3
Mathematics (GER)	3
Nursing 109, 110, 112, 114	15
University Seminar 100** (Sec 90)**	1

36

Summer Quarter

Nursing 116	5
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Sophomore Year

Arts (GER)	3
English (GER)	3
Mathematics (GER)	3
Nursing 210, 212, 214, 216	18
Psychology 408	3

30

Total Semester Hours	71
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(GER): General Education Requirements (pg. 14)

*These courses are prerequisites for Nursing 114.

**Designed for Nursing majors and required in program of study

Listed below are general academic course requirements for the Pre-Nursing course work. These courses meet core curriculum requirements for baccalaureate degrees in Louisiana. The student is advised to contact the school of nursing to which he/she will be transferring for any specific course requirements of that program.

Pre-Nursing

English (GER)	6
Mathematics (GER)	
Mathematics 101 or 111	3
Statistics 200	3
Natural Sciences (GER)	
Biological Sciences 214, 225, 226, 227, 228	12
Chemistry 120, 121	6
Arts (GER)	3
Humanities (GER)	
English 201 or 202	3
History 201 and 202 or Foreign Language (above 100-level)	6
Speech 110	3
Social Sciences (GER)	
Economics 215	3
Psychology 102	3
Sociology 201	3
Psychology 408, 418	6
Food & Nutrition 203	3

(GER): General Education Requirements (pg. 14)

After completing the above curriculum the student may transfer to a 4-year nursing program to complete the requirements for the baccalaureate degree in nursing.

Accelerated (Extension) Program

The Division of Nursing provides an opportunity for licensed practical nurses that wish to pursue the Associate of Science Degree in Nursing through the Extension Program (Accelerated Learning) at Glenwood Regional Medical Center in West Monroe, Louisiana. Graduates in nursing from state-approved practical nurse educational programs who are currently licensed to practice, have had one year of clinical experience, and meet the admission criteria may be admitted.

After successful completion of Nursing 113, which is offered Spring Quarter only, the student is eligible for advanced placement in the Nursing curriculum. An extension student who is unsuccessful in Nursing 113 may take Nursing 109, 110, and

112 on the Ruston campus. Subsequent failure in any one of these courses prohibits progression.

Concurrently, it is required that each student successfully completes 17 credit hours of required general academic courses. The total course work for Extension students follows.

Courses

Arts (GER)	3
Biological Sciences 214*, 225*, 226*, 227*	11
English (GER)	6
Humanities (GER)	3
Mathematics (GER)*	6
Nursing 113*, 114, 116, 210, 212, 214, 216	38
Psychology 408	3
University Seminar 100 (Sec. 90)** (Prereq for NURS 113)	1

Total Semester Hours

(GER): General Education Requirements (pg. 14)

*These courses are prerequisites for Nursing 114.

**Designed for Nursing majors and required in program of study

Students may transfer credit earned for the general academic courses from other accredited universities. A minimum grade of C is required for acceptance of transfer courses.