

College of Applied and Natural Sciences

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School of Human Ecology
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Address

More information about the College of Applied and Natural Sciences can be obtained by writing and/or visiting the College's web site:

College of Applied and Natural Sciences
P. O. Box 10197
Louisiana Tech University
Ruston, LA 71272
(318) 257-4287
<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.

Organization and Curricula

The College of Applied and Natural Sciences was formed in 1996 by the merger of the Colleges of Human Ecology and Life Sciences, colleges with programs that have been a part of Louisiana Tech University since 1896. The college is based on the strong traditions of its parent colleges.

The college is organized into the Division of Nursing, the School of Forestry, the School of Human Ecology, the School of Biological Sciences and the following departments: Agricultural Sciences and Health Information Management.

The following curricula are offered.

Associate of Science

Health Information Technology
Nursing (two-year RN program)

Bachelor of Arts

Merchandising and Consumer Affairs

Bachelor of Science

Agribusiness
Animal Science
Biology
Environmental Science
Family, Infancy, and Early Childhood Education
Health Information Administration
Medical Technology
Nutrition and Dietetics
Plant Science
Wildlife Conservation

Bachelor of Science in Forestry

Master of Science

Biology
Family and Consumer Sciences
Nutrition and Dietetics

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 Available

The following areas of study are available for a minor:

Animal Science
Biology
Child Development
Environmental Science
Consumer Affairs
Family and Child Studies
Forestry
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 bulletin.

Admission

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 in the descriptions of those programs.

Transfer Students

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 major and/or advisor, and such changes can be initiated with the appropriate academic unit head.

Experiential Education/Cooperative Education

Students majoring in agribusiness; animal science; environmental science; family, infancy, and early childhood education; 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 practical 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 participation with young children. Students may travel to Rome, 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 located throughout the United States.

All programs require application and acceptance.

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 to students in a certain department or major.

The M. Hayne Folk, Jr., Memorial Scholarship of \$150 is awarded to a sophomore within the College of Applied and Natural Sciences having high academic achievement and financial need.

Health Science Scholarships are available to students majoring in the allied health professions of medical technology, health information management, speech pathology, nursing, pre-medicine, dietetics and other pre-professional programs in the health sciences. Recipients are students who have demonstrated academic excellence at Louisiana Tech University in an allied health major.

The Ruston Hospital Endowment is available to Health Science students from Lincoln Parish.

The Lettie Pate Whitehead Scholarship is open to undergraduate women students who meet the following criteria: financial need, Christian, and registered in Health Information Management (2- or 4-year curriculum), Nursing, Medical Technology, or Speech Pathology. The amount of the scholarship is based on need.

Agricultural Sciences

The Benjamin Forbes Leadership Scholarship is awarded to an animal science student who shows leadership potential and is specializing in dairy production

The Block and Bridle Brittain Simms Memorial Scholarship is awarded to a Block and Bridle student for outstanding leadership, service, and club activity.

The Block and Bridle Richard Hill Memorial Scholarship is awarded to an outstanding first year Block and Bridle student.

The Block and Bridle Sullivan Memorial Scholarship is awarded to a Block and Bridle student for outstanding scholastic achievement and club activity.

The Don Hinton Dairy Scholarship is awarded to an animal science student specializing in dairy production

The C. G. Hobgood Memorial Scholarship is awarded to an advanced student in Plant Science.

The T. W. Ray Johnson Memorial Scholarships are available to students in Agricultural Education and Animal Science.

The John A. Wright Horticulture Scholarship is awarded to a student majoring in Plant Science.

The Todd McAfee Memorial Scholarship is awarded to a senior in Agribusiness or an Alpha Zeta officer.

Agricultural Endowment Scholarships are available to entering freshmen and continuing students in all fields of agriculture.

Bessie Mae Talbert Purdy Scholarships are available to students in Agricultural Education.

The **John Green Scholarship** is awarded to animal science students concentrating in dairy production.

Biological Sciences

Premedical/Pre dental Fund awards one or more entering students \$300 to \$600 for the freshman year. A student must have medicine or dentistry as a career goal and maintain at least a 3.0 GPA.

Outstanding Freshman Biological Science Student awards of \$100 to \$300 are given to one or more outstanding biology majors at the end of their freshman year (completion of 30 semester hours).

Scott M. Weathersby Endowment Award is presented to the Outstanding Graduating Senior Biology Student.

Forestry

Application deadline is March 15. Write School of Forestry, Box 10138, T. S., Ruston, LA 71272 for applications, or complete on-line application on college web site.

The **Louisiana Tech Forestry Alumni Association** award of \$1000 is given to one or more forestry students.

School of Forestry Freshman Awards of \$1000 are provided to beginning freshman.

Richard M. Sisk Trust Fund Award of \$1000 is provided to one or more beginning freshmen.

The **Louisiana Forestry Foundation** awards \$1000 scholarships to selected forestry students.

Seedling and Sapling Club of the Louisiana Forestry Association awards a \$200 scholarship to an outstanding forestry junior or senior.

Willamette Industries awards an \$825 scholarship to a selected forestry student.

The **Walter Kellogg Forestry Scholarship** of \$1000 is awarded annually to a selected forestry student.

The **Lloyd P. Blackwell Scholarship** of \$1000 per year is awarded to one or more forestry students.

The **Dan and Dave Metz Scholarship** is an annual award of \$600 to one or more forestry students.

W. L. Browder Scholarship, an annual award of \$600, is given to one or more forestry students.

Clyde and Ruby Anthony Scholarship is an award of \$1,000 to non-freshman forestry majors.

Wirt L. and Althea E. Bond Forestry Scholarship awards up to \$2,000 to forestry students.

Andrulot Scholarship, an award of \$500, is given to one or more forestry field session students.

E. W. Merritt Scholarship, an annual award of \$1000, is given to one or more forestry students.

Health Information Management

The **Eddie Cooksey Scholarship** of \$500 is awarded to one Health Information Administration student and one Health Information Technology student. The criteria to apply are full-time student in Louisiana, with one year of study remaining; demonstrated financial need; and overall GPA of 3.0.

Human Ecology

Human Ecology Alumni Freshman Scholarships vary in amount and are awarded annually based on ACT scores, high school academic records, extracurricular activities, and references.

Mary Wilks Chandler Scholarship, an award for an incoming freshman, was established by Dr. Virgil Orr and Mrs. Myrtis Orr in honor of her mother. Preference is given to a student majoring in Family, Infancy, and Early Childhood Education.

Clyde and Mildred Mobley and Kola Mobley Fouché Memorial Scholarship for \$750 a year for two years was established for freshman students by Mr. and Mrs. Laurie Mobley in honor of his sisters.

F. C. and Gladys M. Haley Scholarship was established by Mr. F. C. Haley, a 1931 graduate of Louisiana Tech and prominent educator, and his wife. The award is designated for a first-year human ecology student.

Clothilde Tuten Clark Scholarship Endowment was established by Mrs. Clark, a 1935 graduate of Home Economics and former Cooperative Extension agent, for an incoming freshman student.

Human Ecology Faculty Scholarships vary in amount and are awarded based on professional promise.

Human Ecology Organization Scholarships are awarded as funds are available by the Louisiana Tech Student LAECA (Louisiana Early Childhood Association), Kappa Omicron Nu (National Honorary), and Louisiana Tech Student Association of Family and Consumer Science (LAFCS) to outstanding members.

Rhoda L. Chambless Scholarship was established by Mrs. Chambless' family. The scholarship is awarded to a junior human ecology major.

Willie Lou Durrett Scholarship was established by Dr. Mary Ellen Durrett, former head of home economics at the University of Texas-Austin, to honor her mother. The scholarship is awarded to a senior student with interest in extension or child development.

The **Laurie S. and Helen Mobley Scholarship** is awarded to a junior human ecology major. The award is for \$750 a year for two years of undergraduate study.

The Lois M. Jackson Dietetics Advisory Board Scholarship is awarded to a senior in nutrition and dietetics. The award is based on academic achievement, professional promise, and financial need.

Whetstone Scholarship is provided by Mr. and Mrs. Terral Whetstone, alumni of Louisiana Tech, to a junior human ecology student.

Eastman/Auto-Chlor Scholarship is provided by Auto-Chlor System, a business in chemical sanitation, for a junior nutrition and dietetics major.

Bette Heard Wallace Endowed Scholarship was established to honor Mrs. Wallace upon her retirement from the College of Human Ecology. Recipients must be at least a junior and have an established record of leadership and scholarship.

Henry E. and Margaret A. Stamm Endowed Scholarship was established by John R. and Mary Margaret Stamm Clay to honor her parents. The scholarship is awarded annually to a sophomore human ecology major who demonstrates academic excellence.

Merle Burke Endowed Scholarship was established by Miss Burke, a former faculty member, to honor an upperclass human ecology student with outstanding professional promise.

Morrison's Health Care Scholarship. This scholarship was established by Morrison Health Care, Inc. It is given to a junior dietetics major.

Willie Fletcher Scholarship. This scholarship awarded to a graduate student in a Family/Child Studies-related program, was established by Mr. and Mrs. Lucius McGehee to honor Miss Willie Fletcher, the first Director and teacher at the Louisiana Tech University Early Childhood Education Center.

Jeanne Mack Gilley Endowed Scholarship. This scholarship was established by Human Ecology alumni and faculty to honor Dean Gilley upon her retirement from the College of human ecology. It is awarded to a graduate student in a human ecology degree program.

E. Lee and Armede Wilks Young Endowed Scholarship. This scholarship was established by Mrs. Young, an alumna of human ecology and her husband to recognize outstanding achievement in an undergraduate student.

Rev. and Mrs. W. R. Gage Endowed Scholarship. Awarded to a senior human ecology major who exhibits outstanding promise.

Dr. Harvy Lewis Endowed Scholarship. Established by Dr. Lewis to recognize academic excellence and professional potential in graduate students.

Nursing

The Mary Jarrell Nursing Scholarship is awarded to students majoring in A. D. nursing.

The Mary Marguerite Merritt Scholarship is awarded to students who are currently enrolled or have been accepted into the associate degree program in nursing. The selection criteria are GPA of 2.8 or greater; financial need; leadership and activities, organizations; awards; scholarships and other financial aid; and future career plans.

The Henry R. Mays, Jr. Scholarship is awarded to students who have completed a minimum of three (3) quarters of the nursing curriculum at Louisiana Tech University. The selection criteria include 2.5 or greater GPA; a caring manner; and letters of reference.

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. In addition, 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 three- and four-year-old children. Early childhood education students observe, student teach, and conduct research at the center.

Agricultural sciences and forestry programs are located on the South Campus. Reese Hall and Lomax Hall 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 facilities which provide 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 the equine facility.

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 is developing 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.

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 Gamma Rho
Alpha Zeta
Block and Bridle
Future Farmers of America
Horticulture Club
Pre-Vet Club

Biological Sciences

Alpha Epsilon Delta
Wildlife Society of America
Chi Lambda Beta

Environmental Science

National Association of Environmental Professionals

Forestry

Forestry Club
Forest Products Society
Xi Sigma Pi
Student Chapter, Society of American Foresters

Health Information Management

Sigma Rho Alpha

Human Ecology

Organization of Human Ecology Students
Louisiana Tech Student Association of Family and Consumer Sciences
Louisiana Tech Student Dietetic Association
Louisiana Tech Student LAECA (Louisiana Early Childhood Association)
Merchandising and Consumer Club
Kappa Omicron Nu (National Honorary)
Child Life Organization

Nursing

Student Nurses Association

Department of Agricultural Sciences

The Department of Agricultural Sciences offers Bachelor of Science degrees in agribusiness, animal science, and plant science. A concentration in Agricultural education can be earned while fulfilling the requirements for teacher certification in secondary education in the College of Education.

The animal science curriculum has six areas of concentration: dairy production, dairy processing, equine, livestock production, general animal science, and pre-veterinary medicine. The plant science curriculum

consists of two concentrations: agronomy and horticulture.

Louisiana Core Curriculum for Agriculture Programs

Following is a two-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, 111 or 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)	3
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 area, state, national, and international career opportunities in the production, processing, distribution, and marketing of food, fiber, and oil-based products. The agricultural business program is designed such that students will have maximum flexibility in fulfilling individuals' needs while enhancing employability. Advisor/student selection of appropriate electives will allow specialization in the areas of animal science, plant science, or business.

Agricultural Business Curriculum (B.S.)

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 or 111, 112	6
Plant Science 101	3
Social Sciences (GER)	6

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

Computer Literacy (GER)	3
Arts (GER)	3
	32
Junior Year	
Agricultural Business 310	3
Agricultural Science 320	3
Humanities (GER)	
English 303	3
Speech 110 or 377	3
Directed Elective*	3
Business Elective (300 or 400 level)	3
Finance 318	3
Management 310	3
Marketing 300	3
Plant Science 310	3
	30
Senior Year	
Agricultural Business 402, 411, 430, 450, 460	13
Directed Electives*	12
Environmental Science 300	3
Elective	3
	31
Total Semester Hours	124

(GER): General Education Requirements (pg. 29)

*Directed Electives chosen by student in consultation with advisor.

Agricultural Education

The concentration in agricultural 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 agricultural education must meet the general requirements for admission to teacher education in the College of Education's upper division. The program in agricultural education leading to a Bachelor of Science degree in Secondary Education requires 127 semester hours, nine of which are earned in selected high schools in the area of apprentice teachers. 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 - 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. Nationally affiliated chapters of the Block and Bridle Club, Alpha Zeta, Alpha Gamma Rho, and the Pre-Vet Club provide social and educational activities for students pursuing animal science as a profession.

Animal Science Curriculum (B.S.)

Freshman Year	
Animal Science 111	3
Arts (GER)	3
Natural Sciences (GER)	
Biological Sciences 130, 131, 132, 133	8
English (GER)	6
Mathematics (GER)	
Mathematics 101 or 111, 112	6
Social Sciences (GER)	3
Plant Science 101	3
	32
Sophomore Year	
Animal Science 201, 202, 204 or 211	3
Biological Sciences 260	4
Natural Sciences (GER)	
Chemistry 100, 101, 102, 103, 104	8
Humanities (GER)	
History	3
English 201 or 202	3
Speech 110 or 377	3
Agricultural Business 220	3
Computer Literacy (GER)	3
Directed Electives*	2
	32
Junior Year	
Animal Science 301, 309, 405	9
Humanities (GER)	
English 303	3
Biological Sciences 200	3
Directed Electives*	6
Agricultural Business 430	3
Plant Science 211, 310	6
	30
Senior Year	
Agricultural Business 402, 411	4
Animal Sciences 318, 401, 409	7
Social Science (GER)	6
Agricultural Science 320	3
Directed Electives*	10
	30
Total Semester Hours	124

(GER): General Education Requirements (pg. 29)

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

Dairy Production Concentration Directed Electives

Animal Science 302, 304, or 305 or 306, 307 and 418
Biological Sciences 416 plus 2 additional directed elective hours.

Dairy Processing Concentration Directed Electives

Animal Science 302, 304, 305, 306 and 430
Biological Sciences 416

Equine Science Concentration Directed Electives

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

Livestock Production Concentration Directed Electives

Animal Science 307, 315, 401, 410 and 418 plus 6 additional directed elective hours.

General Animal Science Concentration Directed Electives

Eighteen hours of directed electives

Pre-Veterinary Medicine Concentration Directed Electives

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

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 Bachelor of Science 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.

Application for admission to the veterinary program at Louisiana State University in Baton Rouge is made in February for admission in August of the same year. The MCAT or GRE score must be provided from the year prior to application for admission.

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.

Requirements for a Minor

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.

Plant Science

The plant science curriculum culminates in a Bachelor of Science degree with a concentration in agronomy or horticulture. Both deal 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, six 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 (B.S.)

Freshman Year	
Natural Sciences (GER)	
Biological Sciences 130, 131, 216, 217	8
Chemistry 100, 101, 102, 103, 104	8
English (GER)	6
Mathematics (GER)	
Mathematics 101 or 111, 112	6
Plant Science 101	3
	31
Sophomore Year	
Animal Science 111	3
Computer Literacy (GER)	3
Humanities (GER)	
English 201 or 202	3
History	3
Speech 110 or 377 or English 463	3
Social Sciences (GER)	
Economics 202 or 215	3
One other Social Sciences discipline	6
Plant Science 310, 311	4
Electives	3
	31
Junior Year	
Agricultural Business 220	3
Biological Sciences 200 and 260	7
Biological Sciences 210, 221, 330, 405, or 414	3
Humanities (GER)	
English 303	3
Arts (GER)	3
Plant Science 430	3
Directed Electives*	9
	31
Senior Year	
Agricultural Business 402, 411, 430	7
Agricultural Sciences 320	3
Directed Electives*	21
	31
Total Semester Hours	124

(GER): General Education Requirements (pg. 29)

*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 Business 477, 478, 479, Environmental Science 300,

Physics 209, Plant Science 211, 309, 312, 320, 400, 403, 409, 421, 422, 423.

Horticulture Concentration Directed Electives

(Select 30 hours from the following list)

Agricultural Business 477, 478, 479, Environmental Science 300, Plant Science 284, 300, 301, 302, 312, 320, 384, 400, 403, 420, 421, 422, 423, 440, 441.

General Plant Science Concentration

(30 hours of Directed Electives)

Requirements for a Minor

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 program. The graduate curriculum leads to the Master of Science in Biology.

Biology

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 animal biology, cell and molecular biology, and microbiology 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 Bachelor of Science 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 more direct employment after graduation. 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 Bachelor of Science in Biology, the student must have a minimum grade point average of 2.0 in all Biological Sciences courses taken and may not have earned less than a grade of "C" in a required biological sciences course.

Biology Curriculum (B.S.)

Freshman Year	
Natural Sciences (GER)	
Biological Sciences 130, 131, 132, 133, 260	12
English (GER)	6
Mathematics (GER)	
Mathematics	6
Directed Electives*	8
	32
Sophomore Year	
Humanities (GER)	
English 201 or 202	3
History Elective	3
Physics 209, 210, 261, 262	8
Directed Electives*	14-17
	28-31
Junior Year	
Computer Literacy (GER)	3
Humanities (GER)	
English 303	3
Speech 110, 377, or English 463	3
Social Science (GER)	3
Directed Electives*	14-15
Electives	3
	32-33
Senior Year	
Arts (GER)	3
Biological Sciences 313, 480	4
Social Science (GER)	3
Directed Electives*	10-13
Electives	6
	29-32
Total Semester Hours	124

(GER): General Education Requirements (pg. 29)

*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 310 (3); Biological Sciences Elective (3); Chemistry 351, 352, 353, 354 (8)
Senior Year: Biological Sciences Electives (11)

Applied Biology Concentration Directed Electives

(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 & 321 or 335 or 405 (6-7); Biological Sciences Electives (6)

Junior Year: Biological Sciences 310 (3); Biological Sciences Elective (3); Science Electives (9)
Senior Year: Science Electives (10)

Cell and Molecular Biology Concentration Directed Electives

Freshman Year: Chemistry 100, 101, 102, 103, 104 (8)
Sophomore Year: Biological Sciences 315, 320 or 405 (6); Chemistry 250, 251, 252, 253, 254 (8)
Junior Year: Biological Sciences 310 (3); Biological Sciences Elective (3); Chemistry 351, 352, 353, 354 (8).
Senior Year: Biological Sciences 422 (3); Biological Sciences Electives (10)

Microbiology Concentration Directed Electives

Freshman Year: Chemistry 100, 101, 102, 103, 104 (8)
Sophomore Year: Biological Sciences 335, 408 (7); Chemistry 250, 251, 252, 253, 254 (8)
Junior Year: Biological Sciences 402, 404 (4); Biological Sciences Elective (3); Chemistry 351, 352, 353, 354 (8)
Senior Year: Biological Sciences 401, 422 (6); Biological Sciences Electives (5)

Plant Biology Concentration Directed Electives

Freshman Year: Chemistry 100, 101, 102, 103, 104 (8)
Sophomore Year: Biological Sciences 205, 221, 222 (9); Chemistry 250, 251, 252, 253, 254 (8)
Junior Year: Biological Sciences 310 (3); Biological Sciences Elective (3); Chemistry 351, 352, 353, 354 (8)
Senior Year: Biological Sciences 216, 217, 405 (7); Biological Science Elective (3)

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 & 321, or 335, or 405).

Medical Technology (Clinical Laboratory Science)

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 one 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; Cristus St. Patrick Hospital, Lake Charles, LA; Veterans Administration Medical Center, Shreveport, LA; Wadley Regional Medical Center, Texarkana, TX, 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. 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 Bachelor of Science degree and is eligible for professional certification, which is achieved by passing a nationally recognized registry examination.

Medical Technology Curriculum (B.S.)

Freshman Year	
Natural Sciences (GER)	
Biological Sciences 130, 131, 224, 226	8
Chemistry 100, 101, 102, 103, 104	8
English (GER)	6
Mathematics (GER)	
Mathematics 101 or 111 or 230	3
Statistics 200	3
Social Sciences (GER)	
Psychology 102 or Sociology 201	3
	31
Sophomore Year	
Biological Sciences 250, 260, 406, 446	13
Chemistry 250, 251, 252	6
Humanities (GER)	
English 201 or 202	3
History	3
Social Sciences (GER)	6
	31
Junior Year	
Biological Sciences 245, 341, 402, 445	12
Clinical Laboratory Science 457	2
Humanities (GER)	
English 303	3
Speech 110 or 377	3
Arts (GER)	3
Directed Electives*	8
	31

Senior Year	
Directed Electives*	32
	32
Total Semester Hours	125

(GER): General Education Requirements (pg. 29)

*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 coursework chosen from Biological Sciences 245, 250, 341, 402, 445, 446, 447, and Clinical Laboratory Sciences 450, 451, 457.

Pre-Professional Coursework

The School of Biological Sciences offers coursework to prepare students for entrance into health profession curricula offered at institutions other than Louisiana Tech University. The pre-professional coursework necessary for admission to these programs is specified by the admitting institution, not Louisiana Tech University. Therefore, it is the responsibility of each student to obtain a catalog from the school where he or she plans to attend and determine which courses are required. Admission to professional phases of all programs is on a competitive basis. Furthermore, it should be noted that although some programs will consider students after two years of coursework at Louisiana Tech, in reality many students are admitted only after completion of a baccalaureate degree. The following sections are for informational purposes only.

Pre-Physical Therapy

A baccalaureate degree in any discipline that includes the courses listed below is required for entry into the M.S. program at Louisiana State University Medical Center:

English (GER) (6); Advanced English Composition or Technical Writing (3); Chemistry 100, 101, 102, 103, 104 (8); Biological Sciences 130, 131, 132, 133 (8); Physics 209, 210, 261, 262 (8); Advanced Biology (recommended Biological Sciences 315 or 407) (3); Anatomy and Physiology (Biological Sciences 225, 228) (6); Mathematics (GER) (6); Psychology 102 and Psychology Elective (Abnormal or Growth and Development) (6); Statistics (3); Computer Literacy (GER) (3); Speech 110 or 377 (3).

Pre-Cardiopulmonary Science (Respiratory Therapy)

Students may be admitted without a degree to the program at Louisiana State University Medical Center upon completion of the following requirements:

English (GER) (6); Humanities (recommended: English Literature, English 303, Advanced Composition, or Foreign Language) (9); Chemistry 100, 101, 102, 103, 104 (8); Mathematics (GER) (6); Biological Sciences 130, 131, 132, 133 (8); Science Elective (Biological Sciences 225, 228) (6); Psychology 102 (3); Physics 209, 261 (4); Biological Sciences 214 (4); Arts (GER) (3); Computer Literacy (GER) (3).

Physician Assistant

Although it is possible for students to be admitted without a degree to the program at Louisiana State University Medical Center, it is more likely that admission will be granted upon completion of a degree in any discipline that includes the following requirements:

Arts (GER) (3); Computer Literacy (GER) (3); English (GER) (6); Humanities (recommended foreign languages, philosophy, religion,

literature, speech/communications) (9, at least 3 hours at sophomore level or above); Psychology 102 and Psychology Elective (child, developmental, etc) (6); Social Sciences (GER) (3); Mathematics (GER) (6); Chemistry 100, 101, 102, 103,

104 (8); Biological Sciences 225, 226 (4); Physics 209, 261 (4); Biological Sciences 130, 131, 214, (8).

Pre-Occupational Therapy

Students may be admitted without a degree to the program at Louisiana State University Medical Center upon completion of the following requirements:

Biological Sciences 130, 131, 132, 133, 224 (11); Arts (GER) (3); Chemistry 100, 103 (3); Computer Literacy (GER) (3); English (GER) (6); English 201 or 202 (3); Humanities Electives (6); Mathematics (GER) (6); Psychology 102 (3); Psychology Electives (adjustment, child, adolescent, social) (6); Physics 209, 261 (4); Sociology 201 (3).

Pre-Radiologic Technology

Students may be admitted without a degree to the program at University of Louisiana at Monroe upon completion of the following requirements:

Mathematics 101, 112 (6); English (GER) (6); Chemistry 100, 101, 103 (5); Biological Sciences 225, 226, 227, 228, 346 (10); Psychology 102 (3); Health Information Management 103 (3); Physics 209, 210, 261, 262 (8); English 201 or 202, 303 (6); History (3); Arts (GER) (3); Speech 110 or 377 (3); Computer Literacy (GER) (3); Sociology 410.

Pre-Pharmacy

The University of Louisiana at Monroe offers two pharmacy programs, one baccalaureate and one leading to the Doctor of Pharmacy. The following requirements are necessary for both:

Accounting 201 (3); Biological Sciences 130, 131, 214 (8); Chemistry 100, 101, 102, 103, 104, 250, 251, 252, 253, 254 (16); Economics 201 or 215 (3); Humanities (foreign languages, history, literature, philosophy, religion, speech) (8); Arts (GER) (3); English (GER) (6); English 201 or 202 (3); H&PE 150 (2); Math (GER) (6); Math 220 or 230 (3); Physics 209, 210, 261, 262 (8); Psychology 300 (3); Sociology 410 (3).

Pre-Optometry

Nearly all students admitted to professional programs in optometry have a baccalaureate degree. Because there are no schools of optometry in Louisiana, it is difficult to specify the admission requirements for the out-of-state schools. Therefore, students should obtain a catalog from the school(s) in which they are interested and adapt an existing degree program at Louisiana Tech. Nevertheless, the listing below gives some idea of the courses required by the three nearest optometry schools:

Biological Sciences 130, 131, 132, 133, 214, 225, 227, 320, 321 (20); Chemistry 100, 101, 102, 103, 104, 250, 251, 252, 253, 254, 351 (19); English (GER) (6); Mathematics 101 or 111, 230 (6); Physics 209, 210, 261, 262 (8); Psychology 102 (3); Social Science Electives (6); Statistics (3).

The Graduate Program

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

Interdisciplinary Degree in Environmental Science

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 twenty-two (22) hours of directed electives to allow students to obtain a minor in a specialized field of interest. Numerous minors are available at Louisiana Tech University; specific requirements for minors are identified in the departmental sections of the Bulletin.

This program allows students to focus on particular career interests such as assessment, policy, management, research, or occupational health and safety. A junior or senior internship or cooperative education experience is important in preparing students for a career in environmental science; thus students are ready for a wide range of employment opportunities. Potential employers are regulatory agencies, industrial firms, commercial laboratories, consulting firms, and environmental organizations. Graduates may also pursue enrollment in professional or graduate schools.

Environmental Science Curriculum (B.S.)

Freshman Year	
Environmental Science 200	3
Natural Sciences (GER)	
Biological Sciences 130, 131, 132, 133	8
Chemistry 100, 101, 102, 103, 104	8
English (GER)	6
Mathematics (GER)	
Mathematics 111, 112	6
	31
Sophomore Year	
Biological Sciences 216, 217	4
Chemistry 121	3
Computer Literacy (GER)	3
Humanities (GER)	
English 303	3
English (Literature)	3
Arts (GER)	3
Geology 111, 121	4
Social Sciences (GER)	
Geography	3
Mathematics 220 or 230	3
	29
Junior Year	
Environmental Sciences 313	3
Biological Sciences 260	4
Chemistry 205	4
Environmental Sciences 477/478/479 (recommended)	
Or Special Problems	3
Environmental Science 310, 311	4
Social Sciences (GER)	
Political Science	3
One other Social Sciences discipline	3
Humanities	
English 463 or Speech 110, 377	3
Statistics	3
	30
Senior Year	
Biological Sciences 417	3
Environmental Science 400, 458	4
Humanities (GER)	
History	3
Directed Electives*	22
	32
Total Semester Hours	122

(GER): General Education Requirements (pg. 29)

*Students are expected to obtain a minor in a department of their choice; Directed Electives are chosen by student in consultation with advisor.

Requirements for a Minor in Environmental Science

Twenty-one hours course work to include Geology 111, Environmental Science 200, 310, 313, 417, 458, and three (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, which 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 one internship (on-the-job experience) during their course of study. Both curricula require that students complete individual professional courses (Forestry and Biological Sciences) with a minimum grade of "C" and maintain a minimum grade point average of 2.0 on all courses taken.

The Forestry degree program is accredited by the Society of American Foresters (SAF), an association representing some 17,000 forestry professionals in the United States. The Society is recognized by the Council on Postsecondary Accreditation and the U.S. Department of Education as the 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 Field Session during the junior year is a prerequisite for senior standing. Students who have completed all prerequisites, including all 100 level courses, 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 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 60 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 higher 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 (B.S.)

Freshman Year	
Natural Sciences (GER)	
Biological Sciences 216, 217	4
Social Sciences (GER)	
Economics 201, 202, or 215	3
Social Sciences Electives*	6
English (GER)	6
Forestry 101, 110	3

Mathematics Elective**	3
Elective	3
	<hr/>
	28
Sophomore Year	
Natural Sciences (GER)	
Chemistry 120, 121, 122 or	
Chemistry 100, 101, 102, 103, 104	7
Humanities (GER)	
English 201 or 202	3
History	3
Arts (GER)	3
Forestry 202, 205, 206, 211	8
Mathematics**	3
Agricultural Science 320 or	
Quantitative Analysis 233	3
	<hr/>
	30
Junior Year	
Humanities (GER)	
English 303	3
Forestry 301, 302, 306, 312, 313	
314, 315, 317, 318, 319, 320, 324, 405	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	7
	<hr/>
	32
Total Semester Hours	125

(GER): General Education Requirements (pg. 29)

*Must take Geography, Political Science, Psychology, Sociology or Economics (minimum of two disciplines).

**Mathematic Electives must be one of the following:

1. Math 101 and Math 212, or
2. Math 112 and Math 230, or
3. Math 112 and Math 222

Wildlife Conservation Curriculum (B.S.)

Freshman Year	
Natural Sciences (GER)	
Biological Sciences 130, 131, 132, 133	8
Chemistry 120, 121, 122	7
Forestry 101	2
English (GER)	6
Mathematics (GER)	
Mathematics 101, 212	6
Social Sciences (GER)	3
	<hr/>
	32
Sophomore Year	
Biological Sciences 221	3
Forestry 205, 206	4
Humanities (GER)	
English 201 or 202	3
History	3
Speech 110 or 377	3
Social Sciences Electives*	6
Arts (GER)	3
Statistics	3
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	28
Junior Year	
Biological Sciences 200, or 310, 313, 317, 458	12
Forestry 302, 306, 314, 315, 317, 320, 324, 405	19
	<hr/>
	31

Senior Year	
Biological Sciences 432, 433, 401, or Agricultural Science 309	9
Forestry 355, 401, 406, 410, 415, 445	15
Humanities (GER) English 303	3
Elective	3
	30
Total Semester Hours	125

(GER): General Education Requirements (pg. 29)

***Must take Geography, Political Science, Psychology, Sociology or Economics (minimum of two disciplines)**

Requirements for a Minor

Minor in Forestry: Twenty-two or 23 hours to include Forestry 202, 205, 301, 302, 306, 355 or 404, 406, 312 or 313.

Minor in Geographic Information Science: Twenty-three hours to include Forestry 317, 324, 355, 455; GEOG 380 plus two courses from GEOG 203, 205, 340, or 370; CIS 323; one course from the following: AGSC 320, QA 233, STAT 402, or STAT 405.

Minor in Wildlife Conservation: Twenty-one hours to include Biological Sciences 313, 317, 432, 433; three of the following: Forestry 314, 322, 345, 355, Biological Sciences 221, 413, Biological Sciences/Forestry 428 or 528, Biological Sciences 458 or Animal Science 309.

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 the 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 grade 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.

Students must earn a "C" in all required courses before being eligible for graduation from the program. A HIM student may repeat only one 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 six quarters of study on campus plus one quarter off campus at professional practice sites.

Students must complete certain courses in a specified sequence in order to complete their studies within the two-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 (A.S.)

Freshman Year	
English (GER)	6
Health Information Management 103, 107, 108, 115, 120, 280	12
Mathematics (GER)	
Mathematics 101	3
Statistics 200	3
Biological Sciences 225, 227	6
Computer Literacy (GER)	
Computer Information Systems 201	3
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	35
Sophomore Year	
Health Information Management 200, 207, 208, 218, 219, 224, 226, 227, 228, 229, 234, 235, 277/278/279,	30
Management 201	3
	<hr/>
	33
Total Semester Hours	68

(GER): General Education Requirements (pg. 29)

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 twelve quarters of study on-campus plus one 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 (B.S.)

Freshman Year	
English (GER)	6
Mathematics (GER)	
Mathematics 101, 125	6
Computer Literacy (GER)	
Computer Information Systems 201	3
Natural Sciences (GER)	
Biological Sciences 225, 227	6
Health Information Management 103, 107, 108, 115, 120	11
	<hr/>
	32
Sophomore Year	
Natural Sciences (GER)	
Chemistry 120	3
Health Information Management 200, 207, 208, 218, 219, 224, 226, 227, 228, 234, 280	23
Social Science (GER)	
Psychology 102	3
Quantitative Analysis 233	3
	<hr/>
	32
Junior Year	
Humanities (GER)	
English 201, 202	6
Speech 110 or 377	3
Health Information Management 312, 318, 319, 330	10
Social Sciences (GER)	
Sociology 201	3
Additional Social Sciences Course	3
Management 310	3
	<hr/>
	28
Senior Year	
Arts (GER)	3
Humanities (GER)	
History	3
Clinical Laboratory Science 450	3
Health Information Management 417, 418, 425, 430, 431, 477/478/479	18
Management 470	3
	<hr/>
	30
Total Semester Hours	122

(GER): General Education Requirements (pg. 29)

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. This mission provides the foundation for strong broad-based undergraduate programs and specialized graduate programs that emphasize quality of life, management skills, and the importance of family systems in their historical and contemporary forms.

This mission is implemented through instruction, research, and service which involves

- implementing undergraduate and graduate human ecology curricula that reflect current trends from the rapidly changing and complex professional environments that are designed to 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 human ecology specialized areas, and
- providing professional expertise to other professionals, the university community, and the community-at-large.

Accreditation

Programs in human ecology are planned to meet the highest professional standards. 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.

Upper Division Requirements

Students in the merchandising, consumer affairs, child life, and family studies concentrations are eligible to apply for upper division status when they have a "C" average or above and 60 quality points and at least thirty semester hours credit including grades of "C" or above in the following: English 101 and 102, Speech 110 or 377, and Mathematics (3 hours). They must have earned a passing grade in University Seminar 100 and a grade of "C" or better in all human ecology courses taken during the first thirty hours. Students must be admitted to Upper division before enrolling in human ecology courses numbered 300 or above.

Upper division requirements for students with a concentration in early childhood education or family and consumer sciences education are established by the University Teacher Education Council. These students must have earned 46 semester hours or shall have earned that number at the end of the quarter in which application is made. They must have an earned average of 2.5 and a minimum cumulative grade point average of 2.2. Students must have completed University Seminar 100, Health & Physical Education activities (2 hours), Speech 110, Education 125, English 101, 102 and 201 or 202 (9 hours), Science (9 hours), Social Studies (9 hours), and Mathematics (6 hours). A grade of "C" or better must be earned in English 101, 102, Speech 110, and Education 125. At the point of application, students must have a minimum "C" average in science, math, and social studies. Students must have passed the first section of the Praxis Exam. They must have had their speech and hearing checked and rated "satisfactory" by the Louisiana Tech 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. All applications must be turned in to the human ecology director's office at least

one week prior to the beginning of the quarter. A student must be admitted to upper division before enrolling in courses requiring upper division status.

Students in nutrition and dietetics must apply for admission to the upper division specialized phase of the program before their junior year. To be admitted to upper division, students are to have completed 54 hours with a minimum of 35 hours of knowledge requirement courses and have a KR grade point average of 2.85 and no grade less than a "C." KR or knowledge requirement courses are those in which students achieve the core knowledge requirements for entry-level dietitians as specified by the American Dietetic Association (see your advisor or the Director of the School of Human Ecology for additional information).

Scholastic Standards

All students are advised to repeat human ecology courses in which they have grades less than "C" before undertaking the next course of the subject matter series. For teacher certification, a grade of "C" or better is required in all human ecology and professional education courses. A grade point average of 2.5 is required for enrollment in student teaching at both the secondary and early childhood levels. A grade point average of 2.5 is required for graduation in the family and consumer sciences education and early childhood education concentrations and an acceptable score on the Praxis is required for teacher certification.

Satisfactory completion of prerequisite courses and a "knowledge requirement" grade point average of 2.85 are required for admission to the junior year of the nutrition and dietetics program. A 2.85 "knowledge requirement" grade point average is required for graduation from this curriculum.

Catalog Requirements and Changes

Human ecology policy, curriculum, and course changes are posted on the bulletin board near the director's office (CTH 251). Posted notices officially update the University bulletins and are as binding to students as the published documents. In addition, job and scholarship announcements, test dates, and planned course schedule changes are displayed. Students are advised to check the boards frequently.

Each student is responsible for meeting curriculum and catalog requirements for graduation, including scheduling of infrequently offered courses and completing courses in sequence. Students should consult with their advisors during early registration and when problems arise. Students with 60-70 hours credit should complete and secure advisor's approval of an up-to-date plan of study for their remaining quarters at Tech.

Non-Major Electives

Some courses in human ecology are open to non-majors. Suggested electives for students in other colleges include the following:

Family and Child Studies Electives:

100, Marriage and Family Living; 200, Parenting; 201, Introduction to Child and Family Development; 210, Family Interpersonal Relationships; 221, Parent Involvement; 276, Children's Near Environments; 277, Guiding Infants and Young Children; 301, Early Childhood Development; 320, Family Theory; 331, Infant Development; 400, Contemporary Family Living; 410, Multi-Cultural

Family Studies; 420, Issues in Family Life Education; 432, Children Under Stress; 441, Public Policy & the Family; 447, Issues in Gerontology; 461, Administration of Early Childhood Education/Child Life Programs; 471, The Family and the Legal System.

Merchandising and Consumer Studies Electives:

118, Pattern Design and Construction; 146 Internet for Personal and Family Management; 219, Textiles; 238, Apparel Selection; 246 Microcomputers in Personal and Family Management I; 256, Individual and Family Management; 268, Apparel Design I; 308, Buying; 366, Consumer Issues; 416, Interior Space Planning and Furnishings; 426, Housing Policy; 439, Historic Costume I; 440, Historic Costume II; 456, Consumer Decision Making; 498, Field Study Tour in MCS.

Food and Nutrition Electives:

103, Nutrition and Weight Control; 203, Human Nutrition; 223, Nutrition Education; 232, Basic Food Science; 253, Sports Nutrition; 403, Community Nutrition.

Minors

Minors in consumer affairs, child development, family and child studies, merchandising, human nutrition, and gerontology have been outlined.

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 118, 219, 238, 258, 268, 308, 338, 348, 388, 419, 429, 439, 440, 488, 498.

Minor in Child Development

Required human ecology courses include: Family & Child Studies 201, 301, 331, 320; Food & Nutrition 203. Seven additional hours may be selected from Family and Child Studies 100, 200, 210, 221 (2 hours), 277 (2 hours), 400, 410, 432. A minor in Child Development does not meet teacher certification requirements.

Minor in Consumer Affairs

A minimum of 21 hours to be selected from: Merchandising and Consumer Studies 246, 256, 356, 366, 426, 436, 456, 466.

Minor in Family and Child Studies

Required courses include Family and Child Studies 201 and 320. A minimum of 15 semester hours should be selected from the following: Family and Child Studies 100, 200, 210, 221, 276, 277, 301, 331, 400, 410, 420, 432, 441, 447, 451, 461, or 471. At least nine hours must be 300 level or above.

Minor in Human Nutrition

Required courses in Food and Nutrition include: Food and Nutrition 103, 203, 253, 274, 402, 404, 414, 423, 443.

Interdisciplinary Minor in Gerontology (24 semester hours) (At least 10 hours must be from courses 300 level or above.)

Core Courses (15 semester hours)

Family and Child Studies 201- Family and Child Development OR Psychology 408 - Human Growth and Development (3); Health & Physical Education 406 - Health Aspects of Aging (3); Sociology 435 - Sociology of Aging (3); Family and Child Studies 447 - Issues in Gerontology (3); Practica - Education 420; Health &

Physical Education 112; Human Ecology 467, 477, 478, or 479; OR Sociology Practica (3).

Electives (9 semester hours)

Select 9 hours from the courses listed below. Courses selected must be approved by your advisor. It is strongly suggested that ALL students elect either Psychology 475 or Sociology 436 that relate to death and grieving. Counseling 400; Family and Child Studies 210, 320, 400, 420; Food and Nutrition 203; Health & Physical Education 292, 401, 416; Psychology 474, Psychology 475, 480, 499; Sociology 308, 425, 436.

Merchandising and Consumer Affairs

Students complete a freshman core of courses and then select a concentration in 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 general business 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 and distribution, textiles, computer applications, and the opportunity to complete a minor in marketing, general business, 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.

Merchandising and Consumer Affairs Curriculum (B.A.)*

Freshman Year	
English (GER)	6
Mathematics (GER)	
Mathematics 101	3
Mathematics 112, 114, 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
Additional Social Sciences Course	3
Humanities (GER)	
English 201 or 202	3
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

Merchandising & Consumer Studies 366	3
Directed Electives**	11
	<hr/>
	30
Senior Year	
Elective	3
Human Ecology 457	1
Human Ecology Practica or Merchandising & Consumer Studies 498	3
Journalism 450	3
Merchandising & Consumer Studies 429, 466	6
Directed Electives**	12
	<hr/>
	28
 Total Semester Hours	 120

(GER): General Education Requirements (pg. 29)

*Curriculum sheets for both concentrations are available in the Office of the Director of the School of Human Ecology (CTH 251).

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

Merchandising Concentration Directed Electives

Sophomore Year: (6 hours) Merchandising & Consumer Studies 219, 238; Junior Year: (11 hours); Merchandising & Consumer Studies 268, 308, 348; Management 470; Senior Year: (12 hours); Merchandising & Consumer Studies 416, 488, 439 or 440; Marketing 435.

Consumer Affairs Concentration Directed Electives

Sophomore Year: (6 hours) Accounting 202; Business Law 255; Junior Year: (11 hours) Family & Child Studies 447; Merchandising & Consumer Studies 426; Free Electives (2 hours); Management 310; Senior Year: (12 hours) Family & Child Studies 441; Finance 318; Merchandising & Consumer Studies 456; Human Ecology electives (3 hours).

Family, Infancy and Early Childhood Education

Students complete a freshman core of courses and then select a concentration. Early childhood education and family and consumer sciences education are teacher preparation programs that are developed and maintained through the joint activities of the College of Applied and Natural Sciences and Louisiana Tech University Teacher Education Council. Early childhood education prepares the student to teach in public school early childhood education and kindergarten programs and for careers with young children in centers for children and related programs. Family and consumer sciences education prepares a student to teach vocational family and consumer sciences in Louisiana secondary schools under the provision of the federal Education Amendments of 1976 as outlined in the state plan.

Child life prepares students to become child life specialists primarily in hospital settings. Family studies and child life both prepare students for a variety of human services positions including community support; counseling and youth agencies; law or public policy; business development officers; and employee assistance directors.

Family, Infancy, and Early Childhood Education Curriculum (B.S.)*

Freshman Year	
English (GER)	6
Family & Child Studies 201	3
Mathematics (GER)	
Mathematics 101	3
Mathematics 111, 114, 125 or	

Statistics 200	3
Merchandising & Consumer Studies 246	3
Natural Sciences (GER)	
Biological Science	3
Humanities (GER)	
History 201 or 202	3
Speech 110	3
Directed Electives**	2-3
	<hr/>
	29-30

Sophomore Year	
Humanities (GER)	
English	6
Merchandising & Consumer Studies 256	3
Natural Sciences (GER)	3
Social Sciences (GER)	
Psychology	3-6
Additional Social Sciences Courses	3-6
Directed Electives**	10-12
	<hr/>
	30-33

Junior Year	
Arts (GER)	3
Human Ecology Elective	0-3
Human Ecology 398	1
Restricted Electives	0-6
Directed Electives**	18-31
	<hr/>
	31-35

Senior Year	
Family & Child Studies 410	3
Human Ecology 457	1
Restricted Electives	0-9
Directed Electives**	18-26
	<hr/>
	28-33

Total Semester Hours 122-125

(GER): General Education Requirements (pg. 29)

*Detailed curriculum sheets for each concentration are available in the School of Human Ecology Director's Office (CTH 251).

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

Early Childhood Education Concentration Directed Electives

Freshman Year: (2 hours) Health & Physical Education 150. Sophomore Year: (12 hours) Education 125; Family & Child Studies 276, 277; Health & Physical Education Activity (1); Library Science 201 or 450; Music (2). Junior Year: (31 hours) Education 423, 424, 441; Family & Child Studies 301, 311, 321, 331, 361; Health & Physical Education Activity (2); Science, Bio/Phsy; Special Education 300. Senior Year: (22 hours) Education 420, 475; Family & Child Studies 401, 421, 461; Food & Nutrition 223; Humanities (GER) History 460 or Geography 310; Natural Sciences (GER) (3). Infant/Toddler Specialty: Family and Child Studies 451 and Human Ecology 467 may be added to ECE: N-K curriculum to complete specialty.

Child Life Concentration Directed Electives

Freshman Year: (3 hours) Family & Child Studies 210. Sophomore Year: (10 hours) Family & Child Studies 280, 291; Human Ecology Practica (1); Health Information Management 103. Junior Year: (19 hours) Electives (6) Family & Child Studies 301, 320, 331, 361; Human Ecology Practica (2); Senior Year: (18 hours) Family & Child Studies 432, 451; Family & Child Studies Elective (6); Human Ecology Practica (3); Natural Sciences (GER) (3).

Family Studies Concentration Directed Electives

Freshman Year: (3 hours) Family & Child Studies 210. Sophomore

Year: (12 hours) Elective (3); Family & Child Studies 100, 200; Natural Sciences (GER) (3). **Junior Year:** (18 hours); Family & Child Studies 301 or 331 or 447, and 320; Family & Child Studies Electives (9); Human Ecology Practica (3). **Senior Year:** (18 hours) Family & Child Studies 400, 420, 432 or 435, 441 or 471; Human Ecology Practica (3); Social Sciences (GER) (3).

Family & Consumer Sciences Education Concentration Directed Electives

Freshman Year: (2 hours) Health & Physical Education 150. **Sophomore Year:** (11 hours) Education 125; Human Ecology 267A (1); Human Ecology Elective (3); Merchandising & Consumer Affairs 118 or 238, 219. **Junior Year:** (21 hours) Social Sciences (GER) - Economics 215 or Sociology 312; Family & Child Studies 320; Food & Nutrition 203, 232; Human Ecology 327; Natural Sciences (GER) (6); Special Education 300; **Senior Year:** (26 hours) Education 402, 403, 416, 475; Human Ecology 405, 415; Merchandising & Consumer Studies 426, 456.

Nutrition and Dietetics

Programs in dietetics include an undergraduate didactic program, a post-baccalaureate internship, and a graduate program. The undergraduate didactic program provides learning experiences that enable students to master the knowledge requirements needed for entry-level practice. Mastery of course content in the didactic program and successful completion of the internship are required for meeting The American Dietetic Association eligibility requirements to write the Registration Examination for Dietitians. The internship and graduate programs are described in detail in the graduate program section of the University Bulletin. The Louisiana State Board of Examiners in Dietetics and Nutrition will disapprove the application for licensure if the applicant has been convicted of a felony.

The undergraduate didactic and internship programs are generalist programs. Graduates of these programs are prepared to assume positions in health care facilities such as hospitals and community health centers as well as management positions in food service systems.

Nutrition and Dietetics Curriculum (B.S.)

Freshman Year	
Natural Sciences (GER)	
Chemistry 100, 101, 102, 103, 104	8
English (GER)	6
Humanities (GER)	
English 201 or 202	3
Speech 110	3
Family & Child Studies 201	3
Food & Nutrition Elective	3
Mathematics (GER)	
Mathematics 101	3
Merchandising & Consumer Studies 246	3
	32
Sophomore Year	
Accounting 101 or 201	3
Natural Sciences (GER)	
Biological Sciences 225, 226, 227, 228	8
Chemistry 250, 251, 252	6
Food & Nutrition 203, 232, 274	9
Merchandising & Consumer Studies 256	3
Social Sciences (GER)	
Psychology 102	3
	32
Junior Year	
Biological Sciences 214	4
Humanities (GER)	

English 303	3
Food & Nutrition 305, 402, 403, 404, 414	14
Management 310	3
Social Sciences (GER)	
Sociology 201	3
Mathematics (GER)	
Statistics 200	3
	30

Senior Year	
Arts (GER)	3
Food & Nutrition 302, 352, 412, 423, 443, 472	19
Humanities (GER)	
History	3
Human Ecology 398, 457	2
Social Sciences (GER)	
Psychology 400	3
	30

Total Semester Hours 124

(GER): General Education Requirements (pg. 29)

Dietetic Internship (DI)

The Dietetics Internship is described in the graduate section of the University Bulletin.

The Graduate Program

Master of Science Degrees offered by the School of Human Ecology are described in the graduate section of the University Bulletin.

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.

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

- a. Acceptable scores on the ACT.
- b. Grade point average of 2.6 or better from high school or college.
- c. Three (3) Letters of Reference
- d. Evidence of LPN Licensure (if applicable)
- e. Pre-Nursing and Guidance examination (Given four times a year on Tech campus)
- f. COPS Interest Test
- g. 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 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's 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 (A.S.)

Freshman Year	
Nursing 109, 110, 112, 114	15
Biological Sciences 214,225, 226, 227	11
Mathematics (GER)	
Mathematics 101	3
English (GER)	3
Psychology 102	3
University Seminar 100	1
	36
Summer Quarter	
Nursing 116	5
Sophomore Year	
Nursing 210, 212, 214, 216	18
Psychology 408	3
Mathematics (GER)	
Statistics 200	3

English (GER)	3
	27
Total Semester Hours	68

(GER): General Education Requirements (pg. 29)

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 201	3

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(GER): General Education Requirements (pg. 29)

After completing the above curriculum the student may transfer to a four-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 who 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 complete 17 credit hours of required general academic courses. The total course work for Extension students follows.

Courses

University Seminar 100 (Sec. 90)*	
(Prerequisite for Nursing 113)	1
Biological Sciences 214*, 225*, 226*, 227*	11
Psychology 102*, 408	6
Mathematics (GER)	
Mathematics 101*	3
Statistics 200	3
English (GER)	
English 101, 102	6
Nursing 113, 114, 116, 210, 212, 214, 216	38

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(GER): General Education Requirements (pg. 29)
*These courses are prerequisites for Nursing 114.

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.