The University of Tennessee at Martin
Animal Science Concentration, Business Option 2005-2006

Career Opportunities

Many exciting and rewarding career opportunities await the animal science graduate in today's ever-changing society. While the animal husbandry field was once primarily confined to those with a vast amount of practical experience with farm animals, the needs of a modern animal industry have created many new careers for the traditional farm student and those urban students with a keen interest in animals.

The program leading to the bachelor of science in agriculture with a concentration in animal science is offered through the UT Martin College of Agriculture and Applied Sciences. The program combines basic science and technical courses related to the production and use of animal products with a sound background in humanities and social sciences. Through the wise use of elective courses, a student can focus on animal production and management or animal biotechnology. Of particular interest is the demand for women and minority students to fill positions of responsibility in the animal industry.

Employment Possibilities

A wide variety of professional careers are available to the animal scientist in vocations such as farm and livestock management, Agricultural Extension Service, livestock procurement, federal meat grading, federal and state livestock and meat inspection, and market news reporting. There are also careers in the business-related areas of animal production such as fertilizer, seed and animal health products sales, farm loan representatives and banking. Excellent opportunities are available for those with special training in agricultural communications, working on farm magazines and journals, as breed association field representatives with livestock associations and in public relations. For the student desiring to pursue an advanced degree, the bachelor's in agriculture with a concentration in animal science prepares individuals for further studies in agricultural economics, business administration, food technology, animal biotechnology, and other studies leading to careers in teaching and research.

Facilities

A nearby 700-acre UT Agricultural Experiment Station and UTM Agricultural Field Teaching/ Demonstration Complex is available for research, teaching, and demonstration. Modern agricultural laboratories and class-rooms are located in Brehm Hall and the West Tennessee Agricultural Pavilion. The student is taught to use the computer, and numerous computer facilities are available for the student's convenience. In some cases, field trips are made to nearby industries and farms to learn their operating procedures.

For More Information Contact

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Program of Study: Animal Science Concentration-Business Option, 2005-2006

This list includes all courses required; however, the sequence may be flexible.

Freshman Year

Fall

Agricultural Economics 110: Introduction to Agricultural Business	3
Animal Science 110: Introduction to Animal Science	3
Animal Science 119: Introduction to Animal Science Laboratory	1
Biology 110: Introductory Cell Biology and Genetics	4
English 111: English Composition	3
Math 140: College Algebra and Elementary Functions	3
Total Hours	17

Spring

Agricultural Engineering Technology 110: Introduction to Agricultural Engineering	3
Biology 120: Introductory Plant and Animal Biology	4
English 112: English Composition	3
Math 210: Elementary Statistics and Probability	3
Plant Science 110: Introductory Plant and Soil Science	3
Total Hours	16

Sophomore Year

Fall

Accounting 201: Financial Accounting for Decision Making**	3
Animal Science 240: Live Animal and Carcass Selection and Evaluation	3
Chemistry 121: General Chemistry	4
Economics 201**: Principles of Macroeconomics (Social Dynamics Elective)	3
Total Hours	13

Spring

Accounting 202: Managerial Accounting Information for Decision Making**	3
Chemistry 122: General Chemistry	4
Communications 230: Public Speaking	3
Economics 202**: Principles of Microeconomics (Social Dynamics Elective)	3
Soil Science 210: Introduction to Soil Science	4
Total Hours	17

Junior Year

Fall

Agriculture 390: Career Planning in Agriculture	2
Animal Science 330: Basic Meat Science	3
Animal Science 380: Livestock Merchandising	3
Animal Science 371: Anatomy and Physiology of Domestic Animals	3
Business Law 201** or Agricultural Economics 375: Legal Environment of Business or Environmental and Agricultural Law	3
Total Hours	14

Spring

Animal Science 350: Basic Animal Nutrition	4
Animal Science 360: Breeding and Improvement of Farm Animals and Poultry	3
Animal Science 372: Applied Animal Reproduction	3
Marketing 301** or Agricultural Economics 364: Principles of Marketing or Agricultural Marketing	3
Total Hours	13

Senior Year

Fall

Business Law 201** or Agricultural Economics 375: Legal Environment of Business or Environmental and Agricultural Law	3
Management 301** or Agricultural Economics 471: Organization and Management or Agricultural Management	3
Animal Production Elective*	3
Global Dynamics Elective*	3
Writing /Speaking Elective*	3
Total Hours	15

Spring

Finance 301 or Agricultural Economics 465: Managerial Finance or Agriculture Finance	3
Microbiology 251,310, or 311: General Bacteriology, General Molecular Microbiology, or Public Health Microbiology	4
Aesthetics Elective*	3
Global Dynamics Elective*	3
General Elective	2
Total Hours	15

*See catalog for options.

**Students completing these courses will complete requirement equivalent to a minor in Business Administration as well as most undergraduate prerequisites for the UT Martin Master of Business Administration program.