

Animal Science Concentration

Companion Animal Option

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 companion animals with a sound background in humanities and social sciences. Through the wise use of elective courses, a student can focus on companion animal management and care, veterinary technology, 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 companion animal management, Agricultural Extension Service, and veterinary technology. There are also careers in the business-related areas of companion animal management such as retail pet specialist, animal health product sales, and veterinary office managers. Excellent opportunities are available for those with special training in agricultural communications, working on companion animal publications 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, animal biotechnology, food technology, and other studies leading to careers in teaching and research.

Facilities

A nearby Companion Animal Laboratory and UT Martin Agricultural and Natural Resources Field Teaching/Demonstration complex is available for research, teaching, and demonstration. Modern agricultural laboratories and classrooms are located in Brehm Hall and the Ned R. McWherter Agricultural Complex. 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 companion animal industries and veterinary clinics to learn their operating procedures.

Sample Program of Study

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

Students will receive a Bachelors of Science after course of study completion. Students will also be eligible to be certified as a Veterinary Technician AFTER completing 33 hours of study in the Veterinary Technology program at Columbia State University

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

Animal Science 240: Live Animal and Carcass Selection and Evaluation	3
Chemistry 111: Introduction to Chemistry I: General and Organic.....	4
Economics 201**: Principles of Macroeconomics (Social & Behavioral Sciences Elective)	3
Business Elective**	3
Humanities Elective*.....	3

Total Hours.....16

Spring

Chemistry 112: Introduction to Chemistry II: General and Organic.....	4
Economics 202**: Principles of Microeconomics (Social & Behavioral Sciences Elective)	3
Soil Science 210: Introduction to Soil Science	4
Fine Arts Elective*	3

Total Hours.....14

*See catalog for options

**Students completing these Business 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.

***Courses need to be taken in the senior year as preparation for the Veterinary Technology Program at Columbia State.

Junior Year

Fall

Agriculture 390: Career Planning in Agriculture	2
Animal Science 330: Basic Meat Science	3
Animal Science 371: Anatomy and Physiology of Domestic Animals	4
Communications 230: Public Speaking... ..	3
Business Elective**	3

Total Hours.....15

Spring

Animal Science 350: Basic Animal Nutrition	3
Animal Science 351: Animal Nutrition Laboratory.....	1
Animal Science 360: Breeding and Improvement of Farm Animals and Poultry	3
Animal Science 372: Applied Animal Reproduction	3
Business Elective**	3
Humanities Elective*	3

Total Hours.....16

Senior Year

Fall

Animal Science 230: Exotic and Companion Animal Management***	3
Animal Science Production Elective*	3
General Elective*	4
Writing /Speaking Elective*	3

Total Hours.....13

Spring

Animal Science 260: Behavior and Welfare of Farm and Companion Animals***	3
Microbiology 251 or 310: General Bacteriology, General Molecular Microbiology	4
Animal Science Production Elective*	3
Humanities Elective*	3

Total Hours.....13

For Additional Information Contact:

Dr. Jerry Gresham, Chair
Department of Agriculture and Natural Resources
257 Brehm Hall
Martin, TN 38238
Phone: (731) 881-7262
E-mail: anrinfo@utm.edu

