

Animal Science Concentration

Science 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 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 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 industries and farms to learn their operating procedures.

The University of Tennessee at Martin
Department of Agriculture, Geosciences, and Natural Resources
Bachelor of Science in Agriculture
ANIMAL SCIENCE CONCENTRATION
SCIENCE OPTION

(Major code 1115)

Program Description: www.utm.edu/majors

Agriculture Fine Arts – 3 hrs

Requirement

- Choose 1 course from ART 110; ARTH 210, 211; DANC 110,; MUS 111, 112; THEA 110, 111 (3 hrs)

Animal Science Biological & Physical Sciences – 16 hrs

Requirement

- BIOL 130 (4 hrs)
- BIOL 140 (4 hrs)
- CHEM 121 (4 hrs)
- CHEM 122 (4 hrs)

University Wide Communication – 9 hrs

Students who place in ENGL 100, will use ENGL 110 instead of ENGL 111 in the ENGL sequence.

Requirement

- ENGL 111 (3 hrs) (Min C grade)
- ENGL 112 (3 hrs) (Min C grade)
- COMM 230 (3 hrs)

University Wide Humanities – 9 hrs

Requirement

- Choose 3 courses from ENGL 250, 251, 260, 261, 270, 271; FREN 250, GERM 250; HIST 121, 122, 201, 202; HONR 111; PHIL 110, 120, 130, 160, SPAN 250 (9 hrs)

Animal Science Mathematics– 6 hrs

Requirement

- MATH 210 (3 hrs)
- Choose one course from MATH 140, 160, 185, or 251 (3 hrs)

2)

University Wide Social & Behavioral Science – 6 hrs

Requirement

- Choose 2 courses from AGRI 295; ECON 100, 201, 202; ENGR 100; GEOG 151, 152, 202; IDST 201; NRM 101; POSC 210, PSYC 110, 120; SWRK 220; SOC 201, 202; HLTH 111; HONR 112 (6 hrs)

Ag Core – 18 hrs

Requirement

- AGRI 390 (2 hrs)
- AGECE 110 (3 hrs)
- AGET 110 (3 hrs)
- ANSC 110 (3 hrs)
- PLSC 110 (3 hrs)
- SOIL 210 (4 hrs)

Animal Science – Science Option – 38 hrs

Requirement

- ANSC 119 (1 hr)
- ANSC 240 (3 hrs)
- ANSC 330 (3 hrs)
- ANSC 350 (3 hrs)
- ANSC 351 (1 hr)
- ANSC 360 (3 hrs)
- ANSC 371 (4 hrs)
- ANSC 372 (3 hrs)
- CHEM 341 (3 hrs)
- ANSC 320 (3 hrs)
- Choose 3 hours from ANSC 410, 420, 430, 440
- MBIO 251 (4 hrs)
- AGRI 441 (3 hrs)

Animal Science – Science Option Electives – 15 hrs

Requirement

- English, Comm, Writing Elective, Choose 3 hrs from : ENGL 305, 310, 315 or 325 or COMM 200 or 210
- Choose 3 hours from AGET, AGECE or Upper Division PLSC
- Ag/NRM Elective (1 hr)
- Choose 8 Upper Division hours from BCHEM, BIOL, CHEM, MATH, PHYS, MBIO, ZOOL

As a general rule:

100 & 200 level courses are lower division courses and target freshman and sophomore years;

300 & 400 level courses are upper division courses and target junior and senior years;

However, this is variable and student should work closely with faculty advisor to meet individual needs