B.S. in Animal Science: Meat Science Business Option

FIRST YEAR

Fall
- ANSC 4401, General Animal Science 4
- AEC 2305, Fund. Ag. Appl. Economics 3
- ENGL 1301, Essentials of Coll. Rhetoric 3
- MATH 1320, College Algebra 3
- CHEM 1305, Chemical Basics 3
- CHEM 1105, Experimental Chem. Basics 1
- MATH 2300, Mathematical Statistics 3
- TOTAL 14

Spring
- AEC 2305, Fund. Ag. Appl. Economics 3
- CHEM 1306, Chemistry That Matters 3
- ANSC 2301, Livestock & Meat Eval. I 3
- ANSC 1400, Meat Sci. & Muscle Biol. 4
- ANSC 3100, Animal Science Seminar 1
- TOTAL 15

SECOND YEAR

Fall
- POLS 3301, American Govt., Org. 3
- ANSC 2202, Meat. of Domestic Animals 2
- ENGL 2371, Technical/Writing or COM 2300, Scientific Comm. 3
- CHEM 2303, Introductory Organic Chem. 3
- CHEM 2103, Exper. Instr. Organic Chem. 1
- FDS 2300, Principles of Food Tech. 3
- TOTAL 15

Spring
- ANSC 2306, Physiology of Dom. Animals 3
- ANSC 3301, Principles of Nutrition 3
- ANSC 3402, Animal Genetics 4
- FDS 3303, Food Safety 3
- ANSC 2302, American Public Policy 3
- TOTAL 14

THIRD YEAR

Fall
- ANSC 3401, Repro. Physiol. 3
- ANSC 3301, Principles of Nutrition 3
- ANSC 3402, Animal Genetics 4
- FDS 3309, Food Safety 3
- POLS 2302, American Public Policy 3
- TOTAL 14

Spring
- HEST 2301, History of U.S. Since 1877 3
- ANSC 3700, Animal Science Seminar 1
- FDS 3303, Food Sanitation 3
- BLAW 3391, Business Law 3
- ANSC 3401, Repro. Physiol. 4
- TOTAL 16

FOURTH YEAR

Fall
- Production Elective‡ 4
- ANSC 4400, Meat Sci. & Muscle Biol. 4
- ANSC 4044, Processed & Cured Meats 4
- IB 3105, Cross-Cultural Mgmt. Skills‡ 3
- TOTAL 16

Spring
- BA 3304, Operations Management‡ 3
- ANSC 4040, Meat Sci & Muscle Bio. 4
- ANSC 3305, Organization Management‡ 3
- Approved Elective§ 3
- Production Elective‡ 4
- TOTAL 16

TOTAL HOURS: 120

* Choose from core curriculum requirements.
† Select from ANSC 4401, 4403, 4406, or 4407.
‡ BA courses require 2.75 GPA.
§ Select 3 hours from the following: ANSC 2302, 2303, 3303, 3304, 3306, 3401, 4177, 4240; ACOM 2301, 3300, 4300; ANSC 2302, 3303, 3304, 3306, 3307; FDS 3302, 3303, 3309, 4004, 4005, 4006; AEC 3301, 3302, 3303, 3304, 3305, 4001, 4317, PSS 2432, 3212, 4421; or NRM 3303.

Graduate Courses

5000. Professional Internship (V1-6). Prerequisite: Consent of instructor. Supervised study providing advanced training for Master's in Agriculture and Master's of Science (non-thesis) students. Emphasis is on creative and technical abilities.

5001. Problems in Animal Science (V1-6). Prerequisite: Consent of instructor. Selected problems based on the student's needs and interests not included in other courses. May be repeated for credit with approval of department.

5100. Seminar (1). Analysis of significant research. Oral presentations and discussions; enrollment required each semester of student's residence. F, S.

5201. Ethical Behavior and Integrity in Scientific Research (2). Combination of lecture presentations and student analysis of behavior in science to explore aspects of scientific integrity and conduct. S, even years.

5219. Advanced Studies in Equine Behavior and Dynamics (2). Advanced study of equine behavior, psychology, and herd dynamics. SS.

5301. Advanced Equine-Assisted Mental Health (3). Advanced study of equine-assisted mental health as a therapeutic intervention utilizing horses to address behavioral, relational, and emotional issues for clients. S.

5302. Advanced Beef Production (3). Advanced study of beef production and management. Emphasis on the application of current research to improve the efficiency of beef production. SS, even years.

5303. Advanced Beef Cattle Feedyard Management (3). Emphasis on the application of recent research to improve the management of cattle feedyard operations. Special emphasis will be placed on risk and resource management within the feedyard. F.

5304. Growth and Development (3). A study of differentiation, development, growth, and fattening of domestic animals and hereditary and environmental influences and interactions. S.

5305. Advanced Therapeutic Riding (3). Advanced skills and theories of therapeutic riding, including lesson plan development, advanced knowledge of disabilities, and groundwork for instructor certification. F.

5306. Advanced Animal Breeding (3). Prerequisite: ANSC 3402 or equivalent. Advanced topics in selecting and mating farm animals with the objective of making genetic improvement. Emphasis on breeding value estimation and crossbreeding. S, odd years.

5307. Research Methods in Agricultural Sciences (3). Prerequisite: ANSC 5402 or equivalent. Computer programming, data inputs, and interpretation. Covers examples that relate to experimental designs in agricultural science. SSI.

5308. Minerals and Vitamins in Animal Nutrition (3). An in-depth study of vitamin and mineral chemistry, metabolism, interrelationships, and requirements for production. SS.

5309. Advanced Topics in Reproduction (3). A review of current literature and demonstrated techniques of the current procedures being used in assisted reproduction. S, odd years.


5312. Advanced Sheep and Goat Production (3). Advanced study of sheep and goat production and management. Application of research in genetics, reproduction, nutrition, health, management, wool, mohair, and marketing. S.

5313. Nutritional Biochemistry in Animals (3). Nutrient metabolism and regulation in animals. Course integrates metabolic pathways with nutrition and physiology. S.