



ANIMAL SCIENCE

Whether your goals lie in livestock production or veterinary medicine, we'll help you get there through traditional classroom instruction, as well as hands-on/experiential learning in the laboratory and the barns. Explore a career in Animal Science as you work toward a degree that emphasizes science-based animal management and environmental systems along with current and emerging technologies and techniques. Follow your interests in livestock production and management or one of many allied industries such as nutrition, breeding management, sales of livestock equipment, or pharmaceutical sales.

Some golden nuggets to consider

MAJOR EMPHASIS AREAS

- Animal Science: leads graduates to careers within the livestock industry, such as production and management, nutritionists, artificial insemination, livestock and farm equipment support/sales, pharmaceutical sales, and veterinary assistants.
- Pre-Veterinary Medicine: prepares students for professional school, such as veterinary medicine by providing required coursework and hands-on animal experience. Ask about the VetFAST Program! vetmed.umn.edu/education/dvm/vetfast

CAREER OPPORTUNITIES

- Agricultural Lending
- Animal Nutrition
- Breeder Consultation
- Dairy/Livestock Farm or Ranch Ownership
- Reproduction Systems Production Management
- Research and Lab Technician
- Small Animal Entrepreneurship
- Veterinary Assistantship
- Zoos and Kennels

Starting Salary: \$45,000- \$60,000

A FOCUS ON EXPERIENTIAL LEARNING

- The University Teaching and Outreach Center (UTOC) is located on the north end of the campus. It houses the Animal and Equine Science faculty offices, networked classrooms, a science lab, and stables. On-campus Livestock facilities house University owned herds of beef cattle, goats, and sheep.
- Labs are held in the on campus barns or field trips to local farms.
- Clubs on campus: Animal Science Association (ASA), American Pre-Veterinarian Medical Association, Dairy Club, AgArama Club, & Collegiate FFA
- Students have hands-on experiences such as:
 - Animal handling and proper restraint
 - Calving, kidding, and lambing
 - Blood draws and injections
 - Feeds, nutrition, and nutrient analysis
 - Ultrasound techniques
 - Equipment use
 - Pedigrees and genetic trends



REAL. HANDS-ON. READY.

ANIMAL SCIENCE AREAS OF EMPHASIS

Examples of Relevant Coursework

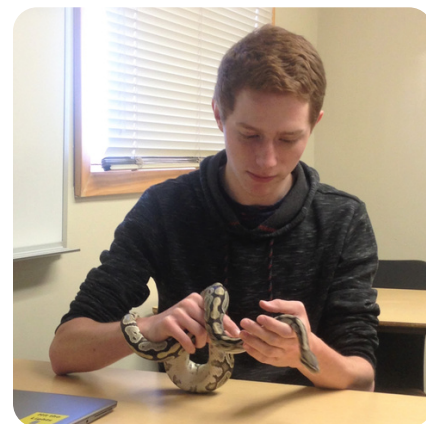
Animal Science Core Requirements

- Introduction to Animal Science
- Animal Evaluation
- Feeds and Feeding
- Livestock Facilities and Environmental Systems
- Animal Breeding
- Applied Animal Nutrition
- Animal Anatomy and Physiology
- Dairy Production
- Beef Production
- Reproduction, AI, and Lactation
- Animal Health and Disease
- Animal Systems Management
- Intro to Statistics, Microbiology, Genetics
- Sheep and Swine Production Techniques



Animal Science Emphasis

- Farm Business Management
- Grain and Livestock Marketing
- Advanced Animal Evaluation
- Elementary Bioorganic Chemistry
- Ag Products & Processing



Pre-Veterinary Medicine Emphasis

- General Zoology
- Chemical Principles I
- Chemical Principles II
- Chemical Principles I Laboratory
- Chemical Principles II Laboratory
- Organic Chemistry I
- Organic Chemistry Laboratory I
- Biochemistry
- Introductory College Physics I
- Introductory College Physics II



Contact us today!

(218) 281-8569 | umcinfo@umn.edu | www.umcrookston.edu/animalscience

The University of Minnesota is an equal opportunity educator and employer.



UNIVERSITY OF MINNESOTA
CROOKSTON