



EQUINE SCIENCE

Equine Science majors have the opportunity to develop a broad understanding of the horse in addition to business, recreational, and production aspects of the industry. Ride, care for, and work with horses as you learn how to build a successful career in the equine industry. We offer world class facilities, science based curriculum, including equine nutrition, health, and management skills and the opportunity for hands on learning such as schooling problem horses, handling and starting young horses. At the University of Minnesota Crookston you can transform your love of horses into a fulfilling and rewarding career.

Some golden nuggets to consider

CREATE YOUR OWN CAREER PATH

Equine Science allows students to choose an emphasis area in equine science or pre-veterinary medicine & gives graduates large animal hands-on experience. Also, we offer a minor in Equine Science.

GET INVOLVED!

- Women's Varsity Equestrian Team
**Hunt Seat, Jumping, Horsemanship, Reining
- Horseman's Association
- Rodeo Club
- Horse Judging Club
- Undergrad Equine Science

CAREERS

- Veterinarians
- Equine Nutrition Specialists
- Animal/Equine Pharmaceutical Reps
- Collegiate Equestrian Team Coaches
- Zoo Animal Education Specialists
- Horse Trainers
- Riding Instructors
- Barn Managers
- Research Assistants

UTOOC

Students attend classes and labs in the University Teaching and Outreach Center (UTOOC), a heated state-of-the-art facility, featuring a tack room, riding arena, and a 45-stall stable. It also includes classrooms, a science lab, and faculty offices all conveniently located on campus.

REAL. HANDS-ON. READY.

PROGRAM REQUIREMENTS & CURRICULUM

Required Courses - 63 credits

ANSC 1004 - Introduction to Animal Science (4.0 cr)
ANSC 2104 - Feeds and Feeding (4.0 cr)
ANSC 3104 - Applied Animal Nutrition (4.0 cr)
ANSC 3203 - Animal Anatomy and Physiology (4.0 cr)
ANSC 3503 - Animal Health and Disease (3.0 cr)
EQSC 1002 - Equine Careers and Husbandry Practices (1.0 cr)
EQSC 1202 - Equine Evaluation (2.0 cr)
EQSC 2102 - Horse Production (4.0 cr)
EQSC 2110 - Topics in Farrier Science (1.0 cr)
EQSC 3305 - Equine Reproductive Techniques (3.0 cr)
EQSC 4102 - Equine Management (3.0 cr)
GBUS 3107 - Legal Environment in Business (3.0 cr)
GNAG 3899 - Pre-Internship Seminar (0.5 cr)
GNAG 3900 - Internship (0.5-3.0 cr)
GNAG 3901 - Post Internship Seminar (0.5 cr)



Equine Science Requirements - 29 to 30 credits

MATH 1031 - College Algebra (3.0 cr)
CHEM 1401 - Elementary Bio-Organic Chemistry (4.0 cr)
EQSC 2112 - Riding Instructor Training (3.0 cr)
AGEC 2310 - Agribusiness Financial Records (3.0 cr)
AGEC 3310 - Advanced Agribusiness Financial Records (3.0 cr)
AGEC 3540 - Farm Business Management (3.0 cr)
EQSC 3413 - Horse Training and Showing (3.0 cr)
ANSC 3023 - Animal Breeding or BIOL 3022 - Principles of Genetics (3.0 cr)

Choose one of the following:

CHEM 1001 - Introductory Chemistry (4.0 cr)
CHEM 1061 - Chemical Principles I (3.0 cr)
CHEM 1065 - Chemical Principles I Laboratory (1.0 cr)

Choose a total of 7 credits from the following courses:

EQSC 1000 -Light Horse Driving (2 cr)
EQSC 1100 -Western Equitation (3 cr)
EQSC 1200 -Hunt Seat & Dressage Equitation (3 cr)
EQSC 1300 -Saddle Seat Equitation (2 cr)
EQSC 2001 -Concepts in Dressage Equitation (3 cr)
EQSC 3441 -Topics in Advanced Western Equitation (3 cr)
EQSC 3443 -Topics in Advanced Equitation Over Fences(3 cr)



Pre-Veterinary Medicine Requirements - 48 credits

ANSC 3023 - Animal Breeding (3.0 cr)
ANSC 3304 - Reproduction, AI, and Lactation (4.0 cr)
BIOL 2012 - General Zoology (4.0 cr)
BIOL 2032 - General Microbiology (4.0 cr)
BIOL 3022 - Principles of Genetics (3.0 cr)
CHEM 1061 - Chemical Principles I (3.0 cr)
CHEM 1062 - Chemical Principles II (3.0 cr)
CHEM 1065 - Chemical Principles I Laboratory (1.0 cr)
CHEM 1066 - Chemical Principles II Laboratory (1.0 cr)
CHEM 2301 - Organic Chemistry I (3.0 cr)
CHEM 2310 - Organic Chemistry Laboratory I (2.0 cr)
CHEM 3021 - Biochemistry (3.0 cr)
MATH 1150 - Elementary Statistics (3.0 cr)
PHYS 1101 - Introductory College Physics I (4.0 cr)
PHYS 1102 - Introductory College Physics II (4.0 cr)

Choose one of the following:

MATH 1031 - College Algebra (3.0 cr)
or MATH 1142 - Survey of Calculus (3.0 cr)

Choose a total of 3 credits from the following required courses:

EQSC 1000 -Light Horse Driving (2 cr)
EQSC 1100 -Western Equitation (3 cr)
EQSC 1200 -Hunt Seat & Dressage Equitation (3 cr)
EQSC 1300 -Saddle Seat Equitation (2 cr)
EQSC 2001 -Concepts in Dressage Equitation (3 cr)
EQSC 3441 -Topics in Advanced Western Equitation (3 cr)
EQSC 3443 -Topics in Advanced Equitation Over Fences(3 cr)

Contact Us Today!

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

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