EQUINE SCIENCE

The equine science program includes course work in equestrian styles, nutrition and physiology, selection and management of the horse enterprise. The roles of the horse in society—recreational, therapeutic and performance—are discussed.

The Program

The department offers programs of study and extra-curricular activities that facilitate the development of the student in the horse industry at many diverse entry points.

The Curriculum

The equine science major is designed to provide a strong overall background with supporting course work in the sciences, humanities and general education. The student will be prepared in equine production and management.

The choice of a minor in equine science offers the student diversity in his or her educational program while preparing the participant for recreational endeavors involving horsemanship. A minor in equine science can accompany essentially any major offered at North Dakota State University.

A minor in equine assisted activities and therapies provides students with a background in therapeutic horsemanship. This minor can accompany essentially any major offered at NDSU.

Career Opportunities

Equine science students are qualified to become involved in many diverse occupations. These include such varied activities as training horses, managerial support, sales of pharmaceuticals and livestock products, and other agribusiness professions. Graduates are likely to obtain employment at academic institutions, government stations, foreign assignments and private industry. Specific areas of employment are 4-H Extension opportunities, university and community college teaching, horse exhibitions and horse breeding operations. Animal feed sales, equine magazine publications and public relations for breeding operations provide many different avenues of opportunity.

Extra-Curricular Activities

The NDSU Horsemen's Association supports a variety of horse-related activities, including the Intercollegiate Horse Show team.

The NDSU Rodeo Club provides students the opportunity to gain experience and knowledge of the sport of rodeo. The club supports the Intercollegiate Rodeo Team and also sponsors the NDSU Rodeo held each fall.

Financial Aid And Scholarships

Part-time work and work-study programs in several different livestock units, highly functional animal science laboratories and a myriad of other employment opportunities exist. Numerous college awards and departmental scholarships are competitively available and typically awarded in the spring semester. The College of Agriculture, Food Systems, and Natural Resources awards additional scholarships each year. Contact the Office of the Dean, College of Agriculture, Food Systems, and Natural Resources, NDSU, for more information. Student loan, grant and work-study information is available from the Office of Financial Aid and Scholarships, and One Stop.

For Further Information

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Sample Curriculum

Credits	General Education Requirements
	Communication
3	COMM 110 - Fundamentals of Public Speaking
3	ENGL 110 - College Composition I
3	ENGL 120 - College Composition II
3	Upper Division Writing
	Quantitative Reasoning
3	STAT 330 - Introductory Statistics
	Science & Technology
4	CHEM 117, 117L - Chemical Concepts and Applications and lab
3	MICR 202, 202L - Introductory Microbiology and Lab
3	PLSC 110 - World Food Crops
6	Humanities & Fine Arts
	Social & Behavioral Sciences
3	ECON 201 - Principles of Microeconomics
3	Social and Behavioral Science Electives
2	Wellness
-	Cultural Diversity
-	Global Perspective
39	**TOTAL**

Credits	Major Requirements
2	ANSC 223 - Introduction to Animal Nutrition
2	ANSC 235 - Equine Evaluation
2	ANSC 260 - Introduction to Equine Science
1	ANSC 260L - Equine Care and Management Practicum
1	ANSC 261 - Basic Equitation and Horsemanship
3	ANSC 357 - Animal Genetics or ANSC 358 - Equine Genetics
3	ANSC 360 - Equine Nutrition
3	ANSC 364 - Equine Anatomy and Physiology
2	ANSC 393 - Undergraduate Research or ANSC 396 - Field Experience
4	ANSC 463, 463L - Physiology of Reproduction and Lab
3	ANSC 478 - Research and Issues in Animal Agriculture
3	ANSC 480 - Equine Industry and Production Systems
3	RNG 136 - Introduction to Range Management or PLSC 320 - Principles of Forage Production
6	ANSC Electives
38	**TOTAL**

Credits	Related Requirements
3	AGEC 242 - Introduction to Agricultural Management
3	AGEC 244 - Agricultural Marketing
1	AGRI 150 - Agriculture Orientation or ANSC 150 - Animal Science Orientation or VETS 150 - Introduction to the Veterinary Profession
3	ANSC 370 - Fundamentals/Animal Disease
4	BIOL 111, 111L - Concepts of Biology and Lab or BIOL 150, 150L - General Biology I and Lab
4	CHEM 260 - Elements of Biochemistry
3	MATH 103 - College Algebra or MATH 105 - Trigonometry or MATH 107 - Precalculus or MATH 146 - Applied Calculus I
3	PLSC 315 - Genetics
3	VETS 135 - Anatomy and Physiology of Domestic Animals
23	Electives
50	**TOTAL**
128	**Minimum Degree Credits to Graduate**

This sample curriculum is not intended to serve as a curriculum guide for current students, but rather an example of course offerings for prospective students. For the curriculum requirements in effect at the time of entrance into a program, consult with an academic advisor or with the Office of Registration and Records.
https://bulletin.ndsu.edu/undergraduate/programs/

Transferring Credits

View NDSU equivalencies of transfer courses at:
www.ndsu.edu/transfer/equivalencies