MURRAY STATE UNIVERSITY

Hutson School of Agriculture

Bachelor of Science in Agriculture
Animal/Equine Science - Equine Options

Murray State University offers a unique opportunity for those who are interested in the field of agriculture. The university offers a diversified program in the area of Animal/Equine Science, with the option to focus intensely on a student's particular avenue of interest. Within the equine area, students may focus on equine business management or equine science.

Career Outlook

Training in various areas of Animal/Equine Sciences can prepare the student for employment in many fields and a variety of positions. In fact there are over 500 distinct occupations in animal agriculture. Some of the opportunities include science, teaching, agricultural services, allied industries, manufacturing and production.

Academic Program Highlights

Animal agriculture is specific, specialized, mechanized, computerized and industrialized. Students enrolled in animal sciences have an opportunity to study the many areas of subject matter associated with animal agriculture.

Students receive scientific training in animal breeding and genetics, nutrition, physiology, management, animal evaluation and selection, disease control and sanitation. In animal agriculture industry today, students must be well grounded in both the biological and physical sciences. It is recognized that many animal science students today do not have the practical experience necessary for many positions requiring a combination of technical and practical training. At MSU, practical experience in animal science is attained through laboratories and summer internships.

Visit Our Website

www.murraystate.edu/agr

Facilities

Hutson School of Agriculture facilities include classrooms, laboratories and offices housed in the south wing of the Oakley Applied Science Building, the A. Carman Animal Health Technology Center, the E.B. Howton Agricultural Engineering Building, the Equine Instructional Facility, greenhouses and four farm complexes located near campus.

The horse and beef facilities are a part of the farm-laboratory complex. The Wm. "Bill" Cherry Agricultural Exposition Center is utilized for equine and rodeo classes, contests, field days, judging contests, clinics and numerous agriculture activities.

Organizations

- **Block & Bridle**
- **Horseman's Association**
- **Swine Club**
- **Rodeo Club**
- **Intercollegiate Equestrian Team**
- **Dressage Club**
- **Intercollegiate Rodeo Team**
- **Pre-Veterinary Medicine/Veterinary Technology Club**

For More Information Contact

Recruitment Coordinator
Murray State University
Hutson School of Agriculture
(270) 809-3329
msu.ag@murraystate.edu

Murray State University Hutson School of Agriculture
Equine Business Management/Science Curriculum 2022-2023

University Studies - Foundations				
Cat.	**Dept.**	**No.**	**Description**	**Hrs.**
Oral Communications				3
	COM	161	Intro. to Public Speaking	
Written Communications				4
	ENG	105	Critical Reading, Writing & Inquiry	
Scientific Inquiry and Methodologies (must include lab)				4-5
	CHE CHE	105 201	Introductory Chemistry **OR** General College Chemistry	
Quantitative Reasoning				4-5
	MAT	140	College Algebra **OR**	
	MAT	150	Algebra & Trigonometry	
University Studies - The Human Experience				
Literary & Philosophical Perspectives				3
Historical Perspectives				3
Creative Perspectives				3
Social & Behavioral Perspectives				3
	AGR	199	Contemp. Issues in Food, Fiber & NR	
Culture, Diverse Perspectives & Responsible Citizenship				3
BS Science/Mathematics Requirement				4
	BIO BIO BIO	100 101 221	Biological Concepts **AND** Intro to Biology Lab **OR** Zoology: Animal Form & Function	

Agriculture Core Courses				
Cat.	**Dept.**	**No.**	**Description**	**Hrs.**
	AGR	100T	Transitions	1
	AGR	100	Animal Science	3
	AGR	300	Principles of Animal Nutrition	3
	AGR	323	Livestock Form and Function	3
	AGR	339	Computer Apps for Ag	3
	AGR	375	Animal Emergency Preparedness	3
	AGR	399	Professional Development Seminar I	1
	AGR	504	Diseases of Livestock	3
	AGR	599	Ag Senior Capstone	1
Complete at least 1 of the following:				3
	AGR	403	Equine Reproduction	
	AGR	505	Livestock Reproduction	
	AGR	506	Reproductive Physiology	

COMPLETE ONE OF THE TRACKS LISTED BELOW

Equine Business Management Track Courses				
	AGR	130	Agricultural Economics	3
	AGR	201	Intermediate Horsemanship	3
	AGR	302	Horse Science	3
	AGR	319	Equine Nutrition	
Complete at least 1 of the following:				3
	AGR	101	Basic Stock Seat	
	AGR	111	Basic Forward Seat	
Complete at least 1 of the following:				3
	AGR	309	Equine Facility Management	
	AGR	317	Equine Health Care Management	
Complete at least 1 of the following:				3
	AGR	304	Advanced Stock Seat	
	AGR	306	Advanced Forward Seat	
	AGR	405	Equine Behavior Modification	
	AGR	514	Teaching Methods in AES	
Complete at least 1 of the following:				3
	AGR	436	Undergraduate Research in Agriculture	
	AGR	489	Cooperative Education/Internship	
	AGR	533	Seminar in International Ag Systems	
	AGR	590	Internship in Animal Technology	
Required Support Courses				
	AGR	330	Principles of Agribusiness	3
	AGR	333	Agribusiness Records and Analysis	3
	AGR	433	Farm Management	3
	AGR	528	Agriculture, Food, and Rural Law	3
	Unrestricted Electives			24-26

Equine Science Track Courses				
	AGR	302	Horse Science	3
	AGR	303	Advance Horse Science	3
	AGR	407	Equine Selection & Evaluation	3
Complete at least 1 of the following:				3
	AGR	101	Basic Stock Seat	
	AGR	111	Basic Forward Seat	
Complete at least 2 of the following:				6
	AGR	315	Equine Exercise Physiology	
	AGR	317	Equine Health Care Management	
	AGR	319	Equine Nutrition	
Complete at least 1 of the following:				3
	AGR	436	Undergraduate Research in Agriculture	
	AGR	489	Cooperative Education/Internship	
	AGR	533	Seminar in International Ag Systems	
	AGR	590	Internship in Animal Technology	
Required Support Courses				
	AGR	130	Agricultural Economics	3
	AGR	240	Crop Science	3
	AGR	328	Statistics for Food and Agriculture	3
	AGR	345	Soil Science	3
	Unrestricted Electives			24-26

Minimum Credential Hours: 120