

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 management or equine science.

Career Outlook

Training in various areas of Animal/Equine Science 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
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**MURRAY STATE UNIVERSITY
HUTSON SCHOOL OF AGRICULTURE
ANIMAL/EQUINE SCIENCE CURRICULUM
EQUINE SCIENCE AND EQUINE MANAGEMENT
2020-2021 CATALOG**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

Dept.	No.	Description	Hrs.	Gr.
ORAL AND WRITTEN COMMUNICATION 7 HRS				
ENG	105	Critical Reading, Writing & Inquiry	4	
COM	161	Intro. to Public Speaking	3	
SCL. INQUIRY, METHODS, QUANT. SKILLS 12-13 HRS				
BIO	101	Biological Concepts OR	4	
BIO	221	Zoology		
CHE	101	Consumer Chemistry OR	4/5	
CHE	105	Intro to Chemistry OR		
CHE	201	General College Chemistry		
MAT	140	College Algebra	4	
WORLD HISTORICAL LIT. AND PHILOSOPHY 6 HRS				
CIV	201	World Civilizations I	3	
HUM	211	Western Humanities Tradition	3	
GLOBAL AWARENESS AND CULT. DIVERSITY 3 HRS				
		UNIV STUDIES ELECTIVE	3	
SOCIAL AND SELF AWARENESS 6 HRS				
AGR	199	Contemporary Issues in Ag	3	
		ELECTIVE	3	
UNIVERSITY STUDIES ELECTIVES 6 HRS				
CHE	210	Brief Organic Chem AND		
CHE	215	Organic Chem Lab OR		
CHE	202	General Chem & Qual OR		
EES	101	Earth & Environment OR		
EES	102	Earth Through Time OR		
EES	199	Earth Science	4/5	
		ELECTIVE	1/2	
40-41 HOURS OF UNIVERSITY STUDIES				

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES 24 HRS				
AGR	100T	Transitions	1	
AGR	100	Animal Science	3	
AGR	300	Animal Nutrition	3	
AGR	310	App in Animal Technology	3	
AGR	339	Computer App for Ag	3	
AGR	399	Professional Development Seminar I	1	
AGR	504	Diseases of Livestock	3	
AGR	599	Ag Senior Capstone	1	

AGRICULTURE CURRICULUM COURSES CONTINUED

AGR	170	Intro. to Ag Sys Tech OR	3	
AGR	377	Ag Safety OR		
AGR	375	Animal Emergency Preparedness		
AGR	403	Equine Reproduction OR	3	
AGR	506	Repro Physiology OR		
AGR	423	AI Techniques for Cattle		
UNRESTRICTED ELECTIVES 20-21 HRS				
SELECT ONE EMPHASIS LISTED BELOW				
EQUINE MANAGEMENT EMPHASIS COURSES 23 HRS				
AGR	101	Basic Stock Seat OR	3	
AGR	111	Basic Forward Seat		
AGR	130	Ag Economics	3	
AGR	133	Field App for Ag	2	
AGR	201	Intermediate Horsemanship	3	
AGR	302	Horse Science	3	
AGR	304	Adv Stock Seat OR	3	
AGR	306	Adv Forward Seat OR		
AGR	405	Equine Behavior Modification OR		
AGR	514	Teaching Methods		
AGR	309	Eq Facilities Mgt OR	3	
AGR	317	Eq Health Care & Mgt		
AGR	318	Eq Forage Mgt OR	3	
AGR	319	Eq Nutrition & Feeding		
Required Support Courses 12 HRS				
AGR	330	Principles of Ag Bus	3	
AGR	333	Ag Bus Records & Analysis	3	
AGR	433	Farm Management	3	
MGT	350	Fund. of Management	3	
EQUINE SCIENCE EMPHASIS COURSES 24 HRS				
AGR	101	Basic Stock Seat OR	3	
AGR	111	Basic Forward Seat		
AGR	130	Ag Economics	3	
AGR	302	Horse Science	3	
AGR	303	Adv Horse Science	3	
AGR	309	Eq Facilities Mgt OR	3	
AGR	317	Eq Health Care & Mgt		
AGR	315	Eq Exercise Physiology	3	
AGR	318	Eq Forage Mgt OR	3	
AGR	319	Eq Nutrition & Feeding		
AGR	407	Eq Selection & Evaluation	3	
Required Support Courses 11 HRS				
AGR	133	Field App for Ag	2	
AGR	240	Crop Science	3	
AGR	345	Soil Science	3	
AGR	328	Stats for Food & Ag	3	

In addition to the two Equine Areas (Equine Science and Equine Management), MSU does offer an Equine Science Minor, which would be 21 hours. The program must be approved by an advisor and include fifteen hours of required courses (AGR 101 or 111, 201, 302, 303 and 317). Six additional hours of upper-level equine courses must be completed.