

## **Bachelor of Science in Agriculture Animal/Equine Science - Food Animal Option**

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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. Students enrolled in the Animal/Equine Science program may choose to focus on food animals and/or equine.

### **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](http://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](mailto:msu.ag@murraystate.edu)**

**MURRAY STATE UNIVERSITY  
HUTSON SCHOOL OF AGRICULTURE  
ANIMAL/EQUINE SCIENCE CURRICULUM  
FOOD ANIMAL EMPHASIS  
2018-2019 CATALOG**

**GENERAL EDUCATION/UNIVERSITY STUDIES COURSES**

Dept.	No.	Description	Hrs.	Gr.
<b>ORAL AND WRITTEN COMMUNICATION</b>			<b>7 HRS</b>	
ENG	105	Critical Reading, Writing & Inquiry	4	
COM	161	Intro. to Public Speaking	3	
<b>SCI. INQUIRY, METHODS, QUANT. SKILLS</b>			<b>12-13 HRS</b>	
BIO BIO	101 221	Biological Concepts <b>OR</b> Zoology	4	
CHE CHE CHE	101 105 201	Consumer Chemistry <b>OR</b> Intro to Chemistry I <b>OR</b> General College Chemistry	4/5	
MAT	140	College Algebra	4	
<b>WORLD HISTORICAL LIT. AND PHILOSOPHY</b>			<b>6 HRS</b>	
CIV	201	World Civilizations I	3	
HUM	211	Western Humanities Tradition	3	
<b>GLOBAL AWARENESS AND CULT. DIVERSITY</b>			<b>3 HRS</b>	
		UNIV STUDIES ELECTIVE	3	
<b>SOCIAL AND SELF AWARENESS</b>			<b>6 HRS</b>	
AGR	199	Contemporary Issues in Ag	3	
		ELECTIVE	3	
<b>UNIVERSITY STUDIES ELECTIVES</b>			<b>6 HRS</b>	
CHE CHE CHE GSC GSC GSC	210 215 202 101 102 199	Brief Organic Chem <b>AND</b> Organic Chem Lab <b>OR</b> General Chem & Qual <b>OR</b> Earth & Environment <b>OR</b> Earth Through Time <b>OR</b> Earth Science	4/5	
		ELECTIVE	1/2	
<b>UNRESTRICTED ELECTIVES</b>			<b>32-33 HRS</b>	

**AGRICULTURE CURRICULUM COURSES**

Dept.	No.	Description	Hrs.	Gr.
<b>AGRICULTURE CORE COURSES</b>			<b>24 HRS</b>	
AGR	100T	Transitions (Freshmen Orientation)	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	
AGR AGR AGR	170 377 375	Intro. to Ag Sys Tech <b>OR</b> Ag Safety <b>OR</b> Animal Emergency Preparedness	3	
AGR AGR AGR	403 506 423	Equine Reproduction <b>OR</b> Repro Physiology <b>OR</b> AI Techniques for Cattle	3	
<b>FOOD ANIMAL EMPHASIS COURSES</b>			<b>23 HRS</b>	
AGR	130	Ag Economics	3	
AGR	133	Field App for Agriculture	2	
AGR	240	Crop Science	3	
AGR	345	Soil Science	3	
<b>Select Two of the Following Courses</b>				
AGR	311	Beef Science	6	
AGR	321	Poultry Science		
AGR	324	Vet Diagnostic Imaging		
AGR	326	Swine Science		
<b>Select One of the Following Courses</b>				
AGR	301	Livestock Judging	3	
AGR	313	Livestock Prod Mgt Sys		
AGR	320	Livestock Behavioral Analy		
AGR	402	Adv Livestock Judging		
<b>Select One of the Following Courses</b>				
AGR	502	Adv. Nutrition	3	
AGR	503	Animal Breeding		
AGR	512	Beef Cattle Mgt Sys		