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 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 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
ANIMAL/EQUINE SCIENCE CURRICULUM
EQUINE SCIENCE AND EQUINE MANAGEMENT
2014-2015 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	
SCI. INQUIRY, METHODS, QUANT. SKILLS				**12-13 HRS**
BIO BIO	101 221	Biological Concepts **OR** Zoology	4	
CHE CHE CHE	101 105 201	Consumer Chemistry **OR** Intro to Chemistry I **OR** General College Chemistry	4/5	
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 CHE CHE GSC GSC GSC	210 215 202 101 102 199	Brief Organic Chem **AND** Organic Chem Lab **OR** General Chem & Qual **OR** Earth & Environment **OR** Earth Through Time **OR** Earth Science	4/5	
		ELECTIVE	1/2	
UNRESTRICTED ELECTIVES				**19-21 HRS**

AGRICULTURE CURRICULUM COURSES

Dept.	No.	Description	Hrs.	Gr.
AGRICULTURE CORE COURSES				**24-25 HRS**
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	

AGRICULTURE CURRICULUM COURSES CONTINUED

AGR AGR AGR AGR	170 377 373 374	Intro. to Ag Sys Tech **OR** Ag Safety **OR** Animal in Disaster **AND** Livestock in Disaster	3-4	
AGR AGR AGR	403 506 523	Equine Reproduction **OR** Repro Physiology **OR** AI Techniques for Cattle	3	
SELECT ONE EMPHASIS LISTED BELOW				
EQUINE MANAGEMENT EMPHASIS COURSES				**23 HRS**
AGR AGR	101 111	Basic Stock Seat **OR** Basic Forward Seat	3	
AGR	130	Ag Economics	3	
AGR	133	Field App for Ag	2	
AGR	201	Intermediate Horsemanship	3	
AGR	302	Horse Science	3	
AGR AGR AGR AGR	304 306 405 514	Adv Stock Seat **OR** Adv Forward Seat **OR** Equine Behavior Modification **OR** Teaching Horsemanship	3	
AGR AGR	309 317	Eq Facilities Mgt **OR** Eq Health Care & Mgt	3	
AGR AGR	318 319	Eq Forage Mgt **OR** Eq Nutrition & Feeding	3	
Required Support Courses				**12 HRS**
AGR	330	Principles of Ag Bus	3	
AGR	333	Ag Bus Records & Analy	3	
AGR	433	Farm Management	3	
MGT	350	Fund. of Management	3	
EQUINE SCIENCE EMPHASIS COURSES				**24 HRS**
AGR AGR	101 111	Basic Stock Seat **OR** Basic Forward Seat	3	
AGR	130	Ag Economics	3	
AGR	302	Horse Science	3	
AGR	303	Adv Horse Science	3	
AGR AGR	309 317	Eq Facilities Mgt **OR** Eq Health Care & Mgt	3	
AGR	315	Eq Exercise Physiology	3	
AGR AGR	318 319	Eq Forage Mgt **OR** Eq Nutrition & Feeding	3	
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 in residence at Murray State University.