

ANIMAL SCIENCES PREVET OPTION
Effective Fall 2009¹

GENERAL EDUCATION REQUIREMENTS
(54-56 credits)

Communication (9 credits)

English 1000	3 hrs
Comm 1200 or Ag Ed 2220	3 hrs
Elective	3 hrs
Agriculture 2190	
Ag Educ 2220	
Ag Journ 3210, 3240	
Comm 1200, 3441, 3572, 3575, 3576	
Comm Sci & Disorders 1110	
English 2010, 2030	
Foreign Language	
Rural Sociology 2225	
Theater 1400	

Mathematics (6 credits)

Math 1100 or 1120 or higher (i.e., 1160, 1320, 1400, 1500)	3 hrs
Statistics (1200 or higher)	3 hrs

Physical and Biological Sciences
(24-26 credits)

Biology 1500 or FW 1100	5 hrs
Chem 1310 & 1320	5 hrs
Chem 2100 or	3-5 hrs
Chem 2050	
Biochemistry 3630	3 hrs
Physics 1210 & 1220	8 hrs

Social and Behavioral Sciences
(9 credits)

Ag Econ 1041 & 1042 or (equivalent micro/macro)	6 hrs
History 1100 or 1200 or Political Sci 1100 or 2100	3 hrs

Humanistic Studies and Fine Arts
(6 credits)

Approved humanistic studies or fine arts

GENERAL ELECTIVES
(22-30 credits)

23-25 hrs for the Pre-Vet Med Scholars Thread
 22-24 hrs for the MU AgScholars Thread
 28-30 hrs for all other Pre-Vet students

DEPARTMENTAL REQUIREMENTS
(44-50 credits)

Freshman Year (5 credits)

A.S. 1011 Animal Science (f)	3 hrs
A.S. 1065 Lab Practicum(s) (f/sp)	2 hrs

Sophomore Year (14 credits)

A.S. 2111 Soph Seminar, WI (sp)	3 hrs
A.S. 2165 Ruminant Prod (f)	3 hrs
A.S. 2175 Monogastric Prod (sp)	3 hrs
A.S. 3254 Physiol of Dom An (f)	3 hrs
A.S. 3255 Physiol Dom An Lab (sp)	2 hrs

Junior Year (13 credits)

A.S. 3212 Prin of An Nutr (f)	2 hrs
A.S. 3213/4323 Genetics; MRP (sp)	5 hrs
A.S. 3232 An Feeds & Feeding (sp)	3 hrs
A.S. 4314 Repro Physiol (sp)	3 hrs

Senior Year (12 credits)

A.S. Production Systems 3 hrs

Select one **Capstone** course from:

A.S. 4975 Beef Prod & Mgt; WI (sp)
A.S. 4976 Adv Dairy Prod; WI (f)
A.S. 4978 Swine Prod & Mgt; WI (f)
A.S. 4979 Poultry Prod & Mgt; WI (sp)

A.S. Senior Electives 9 hrs

A.S. 4312 Monogastric Nutr (f)
A.S. 4332 Ruminant Nutr (sp)
A.S. 4384 Reproductive Mgt (f)
A.S. 4387 Equine Breeding Mgt (sp)
EQS 410 Horse Keeper
A.S. Products Course(s) (A.S. 3214, 3231, 4354)
A.S. Production Systems Course(s) (A.S. 4975, 4976, 4977**, 4978, 4979)

**Not a second capstone option for the MU
 Ag Scholar

A.S. 4940 Internship (max of 3 hrs)
Agri. 2190 or approved internatl study (max 3 hrs)
Approved research (Jr. or Sr., max 3 hrs)

Supporting Courses (0-6 credits)

Pre-Veterinary Medicine Scholars Thread	5 hrs
MU AgScholars Thread	6 hrs
All other Pre-Vet students	0 hrs

Supporting Courses (5-6 credits)

Pre-Veterinary Medicine Scholars Thread (5 hrs)

Select from Biomed courses

Biomed 1010	Biomedical Career Exploration
Biomed 2111	Veterinary Medical Terminology
Biomed 2120	Animal Handling and Physical Restraint
Biomed 2140	Companion Animals
Biomed 2210	Microbiology for Health Sciences
Biomed 2230	Animal Sanitation & Disease Prevention
Biomed 2235	Domestic Animal Behavior
Biomed 2420	Inactivity and Disease
Biomed 3219	Elements of Comparative Anatomy
Biomed 3250	Parasitology
Biomed 3300	Animal Welfare and Ethics
Biomed 3310	Equine Health Topics
Biomed 3326	Veterinary Pharmacology
Biomed 3347	Clinical Epidemiology & Environmental Health
Biomed 4310	Basics of Equine Theriogenology
Biomed 4333	Cell Biology
Biomed	Other courses

OR

MU Ag Scholars Thread (6 hrs)

Select one Capstone course from:

A.S. 4975	Beef Prod & Mgt; WI (sp)
A.S. 4976	Adv Dairy Prod; WI (f)
A.S. 4978	Swine Prod & Mgt; WI (f)
A.S. 4979	Poultry Prod & Mgt; WI (f)

Select one A.S. Products course from:

A.S. 2114	Live An & Meat Eval (f)
A.S. 3214	Prin of Meat Sci (f)
A.S. 3231	Prin of Dairy Foods Sci (sp)
A.S. 4354	Physl/Biochem Mus Food (sp)

Courses Suggested for the General Electives Area

A.S. 1012	Captive Animals (3)
A.S. 2110	Global Animal Agriculture (2)
A.S. 2140	Companion Animals (3)
A.S. 3214	Prin of Meat Sci (3)
A.S. 3231	Prin of Dairy Foods Sci (3)
A.S. 4312	Monogastric Nutr (3)
A.S. 4332	Ruminant Nutr (3)
A.S. 4354	Physl/Biochem Muscle Food (3)
A.S. 4384	Reproductive Mgt (3)
A.S. 4975	Beef Prod & Mgt (3)
A.S. 4976	Adv Dairy Prod (3)
A.S. 4977	Horse Prod (3)
A.S. 4978	Swine Prod & Mgt (3)
A.S. 4979	Poultry Prod & Mgt (3)
	Equestrian Science Courses (Stephens College)

¹Degree requirements for students matriculating Fall Semester, 2009