# ANIMAL SCIENCES PREVET OPTION

**Effective Fall 2009**

## 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 3 hrs
- Statistics (1200 or higher) 3 hrs
  - (i.e., 1160, 1320, 1400, 1500)

### 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 6 hrs
- (equivalent micro/macro)
- 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

## DEPARTMENTAL REQUIREMENTS

*(44-50 credits)*

### Freshman Year (5 credits)
- A.S. 1011 Animal Science (f) 3 hrs
- A.S. 1065 Lab Practicums (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)

### 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

### 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 Muscle 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