

Pre-Professional Curriculum in Veterinary Medicine

Revised Fall 2021

OPTION 1			
A. To be eligible to apply to the College of Veterinary medicine at the University of Missouri, a minimum of 64 hours must completed, including the following suggested courses:			
		HRS	Courses Completed Courses Needed
Meets MU Vet School Requirements:			
*ENG 110	WRITING I	3	
*COM 115	FUND. OF PUBLIC SPEAKING	3	
*MTH 138	PRE-CALCULUS	5	
	<i>or</i>		
*MTH 136	PRE-CALCULUS I	3	
SOCIAL SCIENCES/HUMANITIES		10	
*CHM 116 & 117	FUND. OF CHEM & LAB <i>or</i>	5	
*CHM 160 & 161	GENERAL CHEM 1 & LAB	4	
CHM 201 & 202	ESSENTIALS OF ORGAN. CHEM. & LAB	5	
CHM 352	INTRO. TO BIOCHEMISTRY	3	
*PHY 123	PHYSICS I	4	
PHY 124	PHYSICS II	4	
BIOLOGICAL SCIENCES RECOMMENDED COURSES:		10	
*BIO 121	GENERAL BIOLOGY I	4	
BIO 122	GENERAL BIOLOGY II	4	
BIO 380	COMPARATIVE VERT. ANATOMY	5	
B. While not required for admission to the MU College of Veterinary Medicine, it is recommended that students enroll in courses in Animal Science, Genetics or Animal Breeding, Microbiology, and Animal Nutrition.			
C. Only a few students are usually admitted to the MU College of Veterinary Medicine with a minimum of 64 hours. Most have at least three years of college level preparation. Students are therefore encouraged to enroll in courses that will meet the requirement of a four-year degree.			
D. Completing the above requirements will not guarantee admission to the MU College of Veterinary Medicine. Grade point averages are important among the factors considered. The average GPA of those accepted during the past several years has been about 3.5 on a 4.0 scale. MU requires a 3.0 GPA to be an eligible applicant.			

OPTION 2			
By completing this option of approximately 100 hours, a student may apply for a B.S. degree in Agriculture with a major in Animal Science from Missouri State University after successfully completing the first two years in the College of Veterinary Medicine at University of Missouri.			
		HRS.	Courses Completed Courses Needed
SCIENCE AND MATH REQUIREMENTS:		37-47	
*MTH 136 or MTH 138	PRE-CALCULUS 1 or PRE-CALUCULUS	3 or 5	
*CHM 116 & 117	FUND. OF CHEM. & LAB	5	
CHM 201 & 202	ESSENTIALS OF ORGAN. CHEM. & LAB	5	
CHM 352	INTRO. TO BIOCHEMISTRY	3	
*PHY 123	PHYSICS I	4	
PHY 124	PHYSICS II	4	
SOCIAL SCIENCES/HUMANITIES		10	
BIOLOGICAL SCIENCES HOUR REQUIREMENT		10	
COMPLETE GENERAL EDUCATION REQUIREMENTS			
MAJOR REQUIREMENTS:			
AGS 101	ANIMAL SCIENCE	4	
AGS 301	PHYSIOLOGY OF FARM ANIMALS	3	
AGS 302	REPRODUCTIVE PHYSIOLOGY	3	
AGS 310	ANIMAL NUTRITION	3	
AGS 311	FEEDS/ FEEDING	3	
AGS 316	ANIMAL BREEDING	3	
AGP 103 <i>or</i>	Introduction to Horticulture <i>or</i>	3	
AGN 115	Sustainable Ag. & the Environment	3	
AGP 365 <i>or</i>	Grain Crops for Food, Feed & Energy <i>or</i>	3	
AGP 375	Forage Crops for Animals & the Environment	3	
AGB 144	AG. ECONOMICS	4	
AGS 366	Livestock Enterprise Management	3	
Production Course	AGS432 or 446 452 or 453 or 461 or 485	3	
AGS CAPSTONE	SEE ADVISOR	3	

**May be included in general education requirements.*