

## **Bachelor of Science in Agriculture Pre-Veterinary Medicine**

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Murray State University offers a unique opportunity for those who are interested in the field of agriculture. This university offers a diversified program in the area of Animal Technology, with the option to focus intensely on a student's particular avenue of interest. Students enrolled in the Animal Technology program may choose to focus on Veterinary Technology or Pre-Veterinary Medicine.

### **Career Outlook**

#### **Pre-Veterinary Medicine**

This prepares students for entry into veterinary school at Auburn, Tuskegee or other veterinary schools.

#### **Veterinary Technology**

This option prepares students for employment in veterinary practices, pharmaceutical manufacturing, universities, veterinary diagnostic laboratories, animal food production facilities, biological laboratories, industries that produce and market animal health products, food inspection, and animal health technological institutions.

### **Academic Highlights**

The Pre-Veterinary Medicine Program at Murray State University can meet the prerequisite requirements for any of the twenty-seven veterinary schools in the nation. The state of Kentucky has contractual agreements with Auburn University for thirty-four students and for two students at Tuskegee Institute. These spaces are available to legal Kentucky residents on a competitive basis.

The Veterinary Technology program at Murray State University is a four-year baccalaureate program. Students in Veterinary Technology will be instructed in the health care of dogs, cats, laboratory animals, horses, beef, sheep, swine and exotics. Students will also receive a semester of intense instruction at a veterinary diagnostic laboratory. This semester focuses on diagnostic and research techniques in large and small animals. The optional plan is designed for those students whose main goal is gaining acceptance into a veterinary school.

**Visit Our Website**  
[www.murraystate.edu/agr](http://www.murraystate.edu/agr)

### **Facilities**

Hutson School of Agriculture facilities include the south wing of the Oakley Applied Science Building, the E.B. Howton Agricultural Engineering building, the Equine Instructional Facility, greenhouses and four farm complexes located near campus.

The Veterinary Technology/Pre-Veterinary Medicine Program is located on the main farm complex in the A. Carman Animal Health Technology Center. The center houses classrooms, faculty offices, laboratories, a pharmacy, surgery suite, kennels and a radiology laboratory. The program is equipped with state-of-the-art supplies and equipment.

### **Organizations**

#### **Veterinary Technology/Pre-Vet Club**

- Provides students with an opportunity to experience extracurricular events in their chosen field.
- Club members attend the Mid-America Veterinary Conference held in Kentucky.
- Allows students to hear speakers from across the country discussing issues in large animal, equine and small animal care programs.
- Students participate in campus activities, such as Doggie Day Spas, and Animal Health Day, as well as sponsor continuing education programs for veterinarians,

### **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  
PRE-VETERINARY MEDICINE CURRICULUM  
2017-2018 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>SCL. INQUIRY, METHODS, QUANT. SKILLS</b>			<b>14 HRS</b>	
BIO	101	Biological Concepts	4	
CHE	201	General College Chemistry	5	
MAT	150	Algebra & Trigonometry	5	
<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>	
PSY	180	General Psychology	3	
PHI	202	Ethics	OR	
POL	140	American National Government	3	
<b>UNIVERSITY STUDIES APPROVED ELECTIVES</b>			<b>8 HRS</b>	
CHE	202	General Chem & Qual	5	
CIV	202	World Civilizations II	3	
**		<b>3<sup>rd</sup> yr applicant must take</b>		
		<b>HUM 212 &amp; ENG LIT</b>		
**		<b>Certification Additional</b>		
		<b>Reg. AGR 329, 340, 410, 420, 430, 400, 511, 550</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	170	Intro. to Ag Sys Tech	OR	3
AGR	377	Ag Safety	OR	
AGR	375	Animal Emergency Preparedness		
AGR	403	Equine Reproduction	OR	3
AGR	506	Repro Physiology	OR	
AGR	523	AI Techniques for Cattle		
<b>EMPHASIS COURSES</b>			<b>23 HRS</b>	
AGR	322	Vet Lab Principles	4	
AGR	324	Vet Diagnostic Imaging	3	
AGR	332	Vet Nursing	3	
AGR	510	Animal Anatomy & Physiology	3	
AGR	550	Pharmacology	3	
AGR	489	Coop Ed/Internship	OR	3
AGR	590	Internship in Animal Tech		
BIO	300	Intro to Microbiology	4	
<b>REQUIRED SUPPORT COURSES</b>			<b>25 HRS</b>	
BIO	221	Zoology	4	
CHE	312	Organic Chemistry I	5	
CHE	330	Basic Biochemistry	3	
PHY	130	General Physics I	AND	4
PHY	131	General Physics I Lab		
BIO	321	Cell Biology	3	
CHE	320	Organic Chemistry II	3	
AGR	331	Small Animal Diseases	3	
<b>UNRESTRICTED ELECTIVES</b>			<b>4 HR</b>	