

## **Bachelor of Science in Agriculture Veterinary Technology**

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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**

#### **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.

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

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

### **Academic Highlights**

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.

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.

**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  
VETERINARY TECHNOLOGY CURRICULUM  
2020-2021 CATALOG**

**GENERAL EDUCATION/UNIVERSITY STUDIES COURSES**

Dept.	No.	Description	Hrs.	Gr.
<b>ORAL AND WRITTEN COMMUNICATION 7 HRS</b>				
ENG	105	Critical Reading, Writing & Inquiry	4	
COM	161	Intro. to Public Speaking	3	
<b>SCL. INQUIRY, METHODS, QUANT. SKILLS 12 HRS</b>				
BIO	101	Biological Concepts	4	
CHE	105	Intro to Chemistry I	4	
MAT	140	College Algebra	4	
<b>WORLD HISTORICAL LIT. AND PHILOSOPHY 6 HRS</b>				
CIV	201	World Civilizations I	3	
HUM	211	Western Humanities Tradition	3	
<b>GLOBAL AWARENESS AND CULT. DIVERSITY 3 HRS</b>				
		UNIV STUDIES ELECTIVE	3	
<b>SOCIAL AND SELF AWARENESS 6 HRS</b>				
AGR	199	Contemporary Issues in Ag	3	
		Elective	3	
<b>UNIVERSITY STUDIES APPROVED ELECTIVES 7 HRS</b>				
CHE	210	Brief Organic Chem AND		
CHE	215	Organic Chem Lab	4	
		UNIV STUDIES ELECTIVE	3	

**AGRICULTURE CURRICULUM COURSES**

Dept.	No.	Description	Hrs.	Gr.
<b>AGRICULTURE CORE COURSES 24 HRS</b>				
AGR	100T	Transitions	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	3	
AGR	377	Ag Safety	3	
AGR	375	Animal Emergency Preparedness	3	
AGR	403	Equine Reproduction	3	
AGR	506	Repro Physiology	3	
AGR	423	AI Techniques for Cattle	3	
<b>VETERINARY TECHNOLOGY OPTION COURSES 22 HRS</b>				
AGR	322	Vet Lab I	4	
AGR	324	Vet Diagnostic Imaging	3	
AGR	329	Vet Lab II	3	

**AGRICULTURE CURRICULUM COURSES CONTINUED**

AGR	332	Vet Nursing	3	
AGR	510	Animal Physiology	3	
AGR	540	Vet Surgery & Anesthesia	3	
AGR	590	Coop Ed/Internship	3	
AGR	489	OR Internship in Animal Tech	3	
<b>SELECT ONE EMPHASIS LISTED BELOW</b>				
<b>VET TECH EMPHASIS COURSES 30 HRS</b>				
AGR	331	Small Animal Diseases	3	
AGR	340	Vet Lab Sciences	3	
AGR	400	Vet Microbiology	5	
AGR	410	Adv Vet Hematology	4	
AGR	420	Vet Clinical Chemistry	2	
AGR	430	Vet Parasitology	2	
AGR	511	Animal Anatomy Lab	2	
AGR	550	Applied Pharmacology	3	
		AHT/ANIMAL SCIENCE ELECTIVE	6	
<b>LARGE ANIMAL EMPHASIS COURSES 30 HRS</b>				
AGR	302	Horse Science	3	
AGR	311	Beef Science	3	
AGR	326	Swine Science	3	
AGR	313	Livestock Prod Mgt Sys	3	
AGR	340	Vet Lab Sciences	3	
AGR	400	Vet Microbiology	5	
AGR	410	Adv Vet Hematology	4	
AGR	420	Vet Clinical Chemistry	2	
AGR	430	Vet Parasitology	2	
AGR	511	Animal Anatomy Lab	2	
AGR	550	Applied Pharmacology	3	
		AHT/ANIMAL SCIENCE ELECTIVE	3	
<b>ZOOLOGICAL/AHT EMPHASIS COURSES 31 HRS</b>				
AGR	331	Small Animal Diseases	3	
AGR	340	Vet Lab Sciences	3	
AGR	400	Vet Microbiology	5	
AGR	410	Adv Vet Hematology	4	
AGR	420	Vet Clinical Chemistry	2	
AGR	430	Vet Parasitology	2	
AGR	511	Animal Anatomy Lab	2	
AGR	550	Applied Pharmacology	3	
		AHT/ANIMAL SCIENCE ELECTIVE	3	
BIO	570	Ichthyology	4	
BIO	572	Herpetology	4	
BIO	573	Ornithology	4	
BIO	574	Mammalogy	4	
<b>UNRESTRICTED ELECTIVES 2-3 HRS</b>				