



Bachelor of Science in Agriculture Pre-Veterinary Medicine

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 veterinary technological institutions.

Academic Highlights

The Pre-Veterinary Medicine Program at Murray State University can meet the prerequisite requirements for any of the thirty veterinary schools in the nation. The state of Kentucky has contractual agreements with Auburn University for thirty-eight students and for four students at Tuskegee University. 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

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
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Hutson School of Agriculture
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Murray State University Hutson School of Agriculture
Pre-Veterinary Medicine Curriculum 2023-2024

University Studies - Foundations				
Cat.	Dept.	No.	Description	Hrs.
Oral Communications				3
	COM	161	Intro. to Public Speaking	
Written Communications				4
	ENG	105	Critical Reading, Writing & Inquiry	
Scientific Inquiry and Methodologies (must include lab)				4
	PHY	130	General Physics I &	
	PHY	131	General Physics I Lab	
Quantitative Reasoning				5-7
	MAT	140	College Algebra AND	
	MAT	145	Trigonometry OR	
	MAT	150	Algebra & Trigonometry	
University Studies - The Human Experience				
Literary & Philosophical Perspectives				3
	HUM	211	The Humanities Tradition	
Historical Perspectives				3
	CIV	201	World Civilizations I	
Creative Perspectives				3
	ART	121	Art & Visual Culture OR	
	MUS	104	Intro to Jazz History OR	
	MUS	105	Intro to Music History	
Social & Behavioral Perspectives				3
	PSY	180	General Psychology OR	
	SOC	133	Introduction to Sociology	
Culture, Diverse Perspectives & Responsible Citizenship				3
	PHI	202	Ethics OR	
	POL	140	American National Government	
BS Science/Mathematics Requirement				5
	CHE	201	General College Chemistry	

Minimum Credential Hours: 120

Agriculture Core Courses				
Cat.	Dept.	No.	Description	Hrs.
	AGR	100T	Transitions	1
	AGR	100	Animal Science	3
	AGR	300	Principles of Animal Nutrition	3
	AGR	310	Applications in Animal Technology	3
	AGR	339	Computer Apps for Ag	3
	AGR	399	Professional Development Seminar I	1
	AGR	504	Diseases of Livestock	3
	AGR	599	Ag Senior Capstone	1
Complete at least 1 of the following:				3
	AGR	170	Intro to Ag Systems Technology	
	AGR	375	Animal Emergency Preparedness	
	AGR	377	Agriculture Safety	
Complete at least 1 of the following:				3
	AGR	403	Equine Reproduction	
	AGR	423	AI Techniques for Cattle	
	AGR	506	Reproductive Physiology	
Pre-Veterinary Medicine Track Courses				
	AGR	322	Introductory Veterinary Lab I	4
	AGR	324	Veterinary Diagnostic Imaging	3
	AGR	332	Veterinary Nursing	3
	AGR	510	Animal Physiology	3
	AGR	550	Applied Pharmacology	3
	BIO	300	Introductory Microbiology	4
Complete at least 1 of the following:				3
	AGR	489	Cooperative Education/Internship	
	AGR	590	Internship in Animal Technology	
			Unrestricted Electives	2-4

Required Support Courses

	AGR	331	Small Animal Diseases	3
	BIO	100	Introductory Biology Lab	1
	BIO	115	The Cellular Basis of Life	3
	BIO	221	Zoology: Animal Form & Function	4
	BIO	321	Cell Biology	3
	CHE	202	General Chemistry & Qualitative Analysis	5
	CHE	310	Organic Chemistry I	3
	CHE	311	Organic Chemistry I Lab	2
	CHE	320	Organic Chemistry II	3
	CHE	330	Basic Biochemistry	3
	CIV	202	World Civilizations II	3