



MURRAY STATE
UNIVERSITY

Hutson School of Agriculture

Bachelor of Science in Agriculture Veterinary Technology

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 veterinary technological institutions.

Pre-Veterinary Medicine

This prepares students for acceptance 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 from faculty 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 thirty-two 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.

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 five farm complexes.

The Veterinary Technology/Pre-Veterinary Medicine Program is located on the main farm complex in the A. Carman Animal Technology Center. The center houses classrooms, faculty offices, laboratories, a pharmacy, a surgery suite, kennels, and a radiology laboratory. It also has a large-animal area so students can work with cows, horses, swine, etc. The program is equipped with state-of-the-art supplies and equipment.

Organizations

- **Animal Welfare Club**
- **Block & Bridle**
- **Christian Veterinary Fellowship**
- **Horseman's Association**
- **Livestock Judging Team**
- **Swine Club**
- **Veterinary Technology/Pre-Vet Club**

For More Information Contact

Recruitment Coordinator
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Hutson School of Agriculture
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Visit Our Website
www.murraystate.edu/agr

**Murray State University Hutson School of Agriculture
Veterinary Technology Curriculum 2024-2025**

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
	BIO	101	Biological Concepts AND	
	BIO	100	Intro to Biology Lab	
Quantitative Reasoning				4
	MAT	140	College Algebra	
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
	AGR	199	Contemp. Issues in Food, Fiber & NR	
Culture, Diverse Perspectives & Responsible Citizenship				3
BS Science/Mathematics Requirement				4
	CHE	105	Introductory Chemistry	

Required Support Courses (Complete 1 of the following Emphases)

Veterinary Technology Emphasis				
	AGR	331	Small Animal Diseases	3
	AGR	340	Veterinary Laboratory Sciences	3
	AGR	400	Veterinary Microbiology	5
	AGR	410	Advanced Veterinary Hematology	4
	AGR	420	Veterinary Clinical Chemistry	2
	AGR	430	Veterinary Parasitology	2
	AGR	511	Animal Anatomy Laboratory	2
	AGR	550	Applied Pharmacology	3
	CHE	210	Brief Organic Chemistry	3
	CHE	215	Brief Organic Chemistry Laboratory	1

Large Animal Emphasis				
	AGR	313	Livestock Production Management Systems	3
	AGR	340	Veterinary Laboratory Sciences	3
	AGR	400	Veterinary Microbiology	5
	AGR	410	Advanced Veterinary Hematology	4
	AGR	420	Veterinary Clinical Chemistry	2
	AGR	430	Veterinary Parasitology	2
	AGR	511	Animal Anatomy Laboratory	2
	AGR	550	Applied Pharmacology	3
	CHE	210	Brief Organic Chemistry	3
	CHE	215	Brief Organic Chemistry Laboratory	1
Complete 1 of the following				3
	AGR	302	Horse Science	
	AGR	311	Beef Science	
	AGR	326	Swine Science	

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	
Veterinary Technology Track Courses				
	AGR	322	Introductory Veterinary Lab I	4
	AGR	324	Veterinary Diagnostic Imaging	3
	AGR	329	Introductory Veterinary Lab II	3
	AGR	332	Veterinary Nursing	3
	AGR	510	Animal Physiology	3
	AGR	540	Veterinary Surgery & Anesthesia	3
Complete at least 1 of the following:				3
	AGR	489	Cooperative Education/Internship	
	AGR	590	Internship in Animal Technology	
			Unrestricted Electives	8-12

Zoological Animal Health Technology Emphasis				
	AGR	331	Small Animal Diseases	3
	AGR	340	Veterinary Laboratory Sciences	3
	AGR	400	Veterinary Microbiology	5
	AGR	410	Advanced Veterinary Hematology	4
	AGR	420	Veterinary Clinical Chemistry	2
	AGR	430	Veterinary Parasitology	2
	AGR	511	Animal Anatomy Laboratory	2
	AGR	550	Applied Pharmacology	3
	CHE	210	Brief Organic Chemistry	3
	CHE	215	Brief Organic Chemistry Laboratory	1
Complete 1 of the following				4
	BIO	570	Ichthyology	
	BIO	572	Herpetology	
	BIO	573	Ornithology	
	BIO	574	Mammalogy	

Must complete all Veterinary Technology courses with at least a "C" or higher.