

# LIVESTOCK SYSTEMS HEALTH, MVS

for the degree of Master of Veterinary Science in Livestock Systems Health (on campus & online)

The primary goal of the MVS degree program is to develop critical thinking skills, instill the desire to be life-long learners, and increase the depth and breadth of veterinary professional knowledge for food-producing animal industries. It aims to develop the skills needed to thrive in multiple career paths including specialized clinical practice, academia, industry, government, and clinical research. The Master of Veterinary Science with a major in Livestock Systems Health is a 32-hour program that will take approximately two years to complete. Design of the program focused on students currently in the workforce. Elective courses will include but are not limited to the following subject areas:

- Pathogen biology
- Immunology and Medical Microbiology
- Epidemiology and animal health economics
- Infectious disease control and management
- Systems management and systematic approaches to problem solving

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Code	Title	Hours
<b>Required:</b>		
VCM 565	Biostatistics, Information Management, and Data Analytics for Livestock Production Systems	4
VCM 595	MVS Integrative Learning Experience	8
<b>Electives chosen from the following:</b>		<b>20</b>
VCM 547	Global One Health	
VCM 560	Infectious Disease in Livestock Systems	
VCM 562	Understanding the Host Response to Infection	
VCM 563	Infectious Respiratory Diseases of Swine	
VCM 564	Introduction to Livestock Business Strategy	
VCM 566	Applications of Data Science to Livestock Systems	
VCM 568	A Systems-Based Approach to the Operation of Livestock-Based Food Production Systems I	
VCM 569	A Systems-Based Approach to the Operation of Livestock-Based Food Production Systems II	
PATH 575	Vet Info Tech/Computer App	
PATH 576	Communication Vet Consultation	
PATH 577	Vet Leadership Organ Behavior	
PATH 578	Veterinary Business Management	
PATH 579	Adv Concept Swine Health Med 1	

PATH 580	Adv Concept Swine Health Med 2
PATH 519	Mechanisms Viral Pathogenesis
PATH 433	Virology & Viral Pathogenesis
<b>Total Hours</b>	<b>32</b>

## Other Requirements

Requirement	Description
Other requirements and conditions may overlap	
Minimum 500-level Hours Required	12
Final Exam Required:	Yes
Minimum GPA:	3.0

## Graduate Degree Programs in the College of Veterinary Medicine

- Majors
  - Livestock Systems Health, MVS (p. 1)
  - VMS - Comparative Biosciences, MS (<http://catalog.illinois.edu/graduate/veterinary/medical-science-comparative-biosciences-ms/>)
  - VMS - Comparative Biosciences, PhD (<http://catalog.illinois.edu/graduate/veterinary/medical-science-comparative-biosciences-phd/>)
  - VMS - Pathobiology, MS (<http://catalog.illinois.edu/graduate/veterinary/medical-science-pathobiology-ms/>)
  - VMS - Pathobiology, PhD (<http://catalog.illinois.edu/graduate/veterinary/medical-science-pathobiology-phd/>)
  - VMS – Veterinary Clinical Medicine, MS (<http://catalog.illinois.edu/graduate/veterinary/clinical-medicine-ms/>)
  - VMS-Veterinary Clinical Medicine, PhD (<http://catalog.illinois.edu/graduate/veterinary/clinical-medicine-phd/>)
- Joint Programs
  - DVM and VMS - Comparative Biosciences, PhD (<http://catalog.illinois.edu/graduate/veterinary/joint-degree/dvm-veterinary-medical-scholars/>)
  - DVM and VMS - Pathobiology, PhD (<http://catalog.illinois.edu/graduate/veterinary/joint-degree/dvm-veterinary-medical-scholars/>)
  - Veterinary Medical Scholars Program

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**dean of the college:** Peter D. Constable  
**faculty sponsor:** James F. Lowe

**overview of admissions & requirements:** <https://online.vetmed.illinois.edu/MVS-Application-Process> (<https://online.vetmed.illinois.edu/MVS-Application-Process/>)  
**overview of grad college admissions & requirements:** <https://grad.illinois.edu/admissions/apply> (<https://grad.illinois.edu/admissions/apply/>)

**college website:** College of Veterinary Medicine (<http://www.vetmed.illinois.edu/>)

**department website:** Master Veterinary Science (<https://go.vetmed.illinois.edu/MVS/>)

**college office:** i-Learning Center, 2938 Veterinary Medicine Basic Science Building, 2001 S Lincoln Avenue, Urbana, IL 61802

**phone:** 217-300-7439

**email:** [ilearningvetmed@illinois.edu](mailto:ilearningvetmed@illinois.edu)