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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<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>VCM 565</td>
<td>Biostatistics, Information Management, and Data Analytics for Livestock Production Systems</td>
<td>4</td>
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<tr>
<td>VCM 595</td>
<td>MVS Integrative Learning Experience</td>
<td>8</td>
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Electives chosen from the following: 20

- 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

Other Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
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<tbody>
<tr>
<td>Minimum 500-level Hours Required</td>
<td>12</td>
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<tr>
<td>Final Exam Required</td>
<td>Yes</td>
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<tr>
<td>Minimum GPA</td>
<td>3.0</td>
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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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<tr>
<td>PATH 580</td>
<td>Adv Concept Swine Health Med 2</td>
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<tr>
<td>PATH 519</td>
<td>Mechanisms Viral Pathogenesis</td>
</tr>
<tr>
<td>PATH 433</td>
<td>Virology &amp; Viral Pathogenesis</td>
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Total Hours 32

Other Requirements

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Information listed in this catalog is current as of 07/2023
**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