for the degree of Master of Science in Veterinary Medical Science - Comparative Biosciences

Applications for the VMS-Comparative Biosciences, MS are not accepted, students interested in admissions to Comparative Biosciences see the VMS-Comparative Biosciences, PhD (http://catalog.illinois.edu/graduate/veterinary/medical-science-comparative-biosciences-phd/)

For additional details and requirements refer to the department’s degree programs information (https://vetmed.illinois.edu/intranet-cb/) and the Graduate College Handbook (http://www.grad.illinois.edu/gradhandbook/).

**Code** | **Title** | **Hours**
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MCB 450 | Introductory Biochemistry | 3-4
MCB 354 | Biochem & Phys Basis of Life (credits cannot be used towards degree) | 
MCB 401 | Cellular Physiology | 
MCB 402 | Sys & Integrative Physiology | 
MCB 410 | Developmental Biology, Stem Cells and Regenerative Medicine | 
MCB 480 | Eukaryotic Cell Signaling | 
MCB 501 | Advanced Biochemistry | 

Select one of the following: 4
PATH 524 | Biostatistics | 
VCM 572 | Clinical Epidemiology | 
CPSC 440 | Applied Statistical Methods I | 
or approved equivalent

CB 590 | Seminar | 1
CB 591 | Biosciences Seminar Series (may be repeated for up to 2 hours of credit) | 1
CB 592 | Special Problems (4 max applied toward degree) | 4
Electives | 5-11
CB 599 | Thesis Research (min/max applied toward degree) | 12

Total Hours 32

Other Requirements

**Requirement** | **Description**
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Other requirements may overlap | Students may be required to take additional courses as recommended by Advisory Committees or Department Divisions

Minimum Hours Required Within the 8 (500 level) Unit:
Minimum 500-level Hours Required 12
Overall:
Final Exam/Thesis Defense Required
Thesis Deposit Required
Minimum GPA: 3.00

Graduates of CB M.S. program will be able to:
1. Demonstrate a basic understanding of statistics, biochemistry/physiology and achieve a GPA of 3.0 or greater
2. Demonstrate in-depth knowledge in the areas of his/her thesis research based upon their written thesis and oral communications
3. Perform experiments and statistical analyses, and interpret the results in the context of the research question
4. Communicate science and present research
5. Teach students in a laboratory or classroom setting(optional)

Graduate Degree Programs in Comparative Biosciences

VMS - Comparative Biosciences, MS (p. 1)

VMS - Comparative Biosciences, PhD (http://catalog.illinois.edu/graduate/veterinary/medical-science-comparative-biosciences-phd/)

Joint Degree Programs: Veterinary Medical Scholars Program

DVM and VMS - Comparative Biosciences, PhD (http://catalog.illinois.edu/graduate/veterinary/joint-degree/dvm-veterinary-medical-scholars/)

Department of Comparative Biosciences

Department Head: Uwe Rudolph
Director of Graduate Studies: Megan Mahoney
Assistant Director of Graduate Studies: Juanmahel Davila
Comparative Biosciences website (https://vetmed.illinois.edu/cb/)
Comparative Biosciences faculty (https://vetmed.illinois.edu/about-the-college/comparative-biosciences/faculty/)
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College of Veterinary Medicine
Dean of the College of Veterinary Medicine: Peter D. Constable

Admissions

Comparative Biosciences Graduate Program (https://vetmed.illinois.edu/about-the-college/comparative-biosciences/graduate-programs/)
Graduate College Admissions & Requirements (https://grad.illinois.edu/admissions/apply/)
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