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/).

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MCB 450</td>
<td>Introductory Biochemistry</td>
<td>3-4</td>
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<tr>
<td>MCB 354</td>
<td>Biochem &amp; Phys Basis of Life (credits cannot be used towards degree)</td>
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<tr>
<td>MCB 401</td>
<td>Cellular Physiology</td>
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</tr>
<tr>
<td>MCB 402</td>
<td>Sys &amp; Integrative Physiology</td>
<td></td>
</tr>
<tr>
<td>MCB 410</td>
<td>Developmental Biology, Stem Cells and Regenerative Medicine</td>
<td></td>
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<tr>
<td>MCB 480</td>
<td>Eukaryotic Cell Signaling</td>
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<tr>
<td>MCB 501</td>
<td>Advanced Biochemistry</td>
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Select one of the following: 4
- PATH 524 Biostatistics
- VCM 572 Clinical Epidemiology
- CPSC 440 Applied Statistical Methods I

or approved equivalent

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<tr>
<th>Code</th>
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<th>Hours</th>
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<tr>
<td>CB 590</td>
<td>Seminar</td>
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<tr>
<td>CB 591</td>
<td>Biosciences Seminar Series (may be repeated for up to 2 hours of credit)</td>
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<tr>
<td>CB 592</td>
<td>Special Problems (4 max applied toward degree)</td>
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</table>

Electives 5-11

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>CB 599</td>
<td>Thesis Research (min/max applied toward degree)</td>
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</table>

Total Hours 32

Other Requirements

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/)

College of Veterinary Medicine

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://www.vetmed.illinois.edu/cb/)
Comparative Biosciences faculty (https://vetmed.illinois.edu/about-the-college/comparative-biosciences/faculty/)
3519 Veterinary Medicine Basic Sciences Building, 2001 South Lincoln Avenue, Urbana, IL 61802
(217) 333-2506
Comparative Biosciences email (cbgradprogram@vetmed.illinois.edu)

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/)

Information listed in this catalog is current as of 06/2023
Graduate College Admissions & Requirements (https://grad.illinois.edu/admissions/apply/)
(217) 333-2506