

VMS - COMPARATIVE BIOSCIENCES, MS

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/>)

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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	
Student must select from one of the following courses with the advice of his/her dissertation committee:			
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:			
PATH 524	Biostatistics		4
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
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

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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)

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Graduate Degree Programs in Comparative Biosciences

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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/>)

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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/>)

Graduate College Admissions & Requirements (<https://grad.illinois.edu/admissions/apply/>)

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