

## Pre-Veterinary Medicine Courses at UMKC

The following courses are commonly required and/or recommended for entry into veterinary medical schools. Familiarize yourself with the requirements of veterinary medical schools of interest to you, including which admissions tests are required (GRE or MCAT), to ensure you are taking the proper courses to meet their entry requirements.

### Required Courses

Math 110	College Algebra	3 hrs
English 110	English Composition I	3 hrs
English 225	English Composition II	3 hrs
Com S 110	Public Speaking	3 hrs
Biol 108	General Biology I	3 hrs
Biol 108L	General Biology I Lab	1 hr
Biol 109	General Biology II	3 hrs
Biol 109L	General Biology II Lab	1 hr
Biol 206	Genetics	3 hrs
LS Mcrb 121	Microbiology	3 hrs
LS Mcrb 121L	Microbiology Lab	1 hr
Chem 211	General Chemistry I	4 hrs
Chem 211L	General Chemistry I Lab	1 hr
Chem 212	General Chemistry II	4 hrs
Chem 212L	General Chemistry II Lab	1 hr
Chem 321	Organic Chemistry I	3 hrs
Chem 321L	Organic Chemistry I Lab	1 hr
Chem 322	Organic Chemistry II	3 hrs
Chem 322L	Organic Chemistry II Lab	1 hr
LS Bioc 365	Human Biochemistry I	3 hrs
Physics 210	General Physics I (includes lab)	4 hrs
Physics 220	General Physics II (includes lab)	4 hrs
Social Science or Humanities Electives		6-12
Total hours of Pre-Vet coursework:		<b>62-68 hrs</b>

★Students are also encouraged to have a strong social/behavioral science background.

★Courses in the medical humanities are also encouraged.

For more information please contact:

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## **Pre-Veterinary Medicine Courses at UMKC (con't)**

In addition to the aforementioned pre-requisite courses, you should also:

- Volunteer and job shadow in a variety of veterinary medical settings and specialties throughout your college career (clinics, rural and urban settings, animal hospitals, etc.)
- Actively involve yourself with activities demonstrating your social conscience, compassion for people and animals, and personal character
- Show leadership ability through collegiate or community activities
- Possess ability to communicate in a variety of ways (i.e. written, verbal, non-verbal, technological, listening, etc.)
- Demonstrate your ability to effectively manage time

Veterinary medical schools in the Midwest:

- University of Missouri-Columbia-Columbia, MO
- Kansas State University-Manhattan, KS
- Iowa State University-Ames, IA
- Oklahoma State University-Stillwater, OK
- University of Illinois-Urbana-Urbana, IL

The following resources will be of assistance to you in exploring the veterinary medical school application process:

Association of American Veterinary Medical Colleges (AAVMC) Homepage:  
[www.aavmc.org](http://www.aavmc.org)

AAVMC Schools and Colleges:  
[http://www.aavmc.org/students\\_admissions/vet\\_schools.htm](http://www.aavmc.org/students_admissions/vet_schools.htm)

Applying to Veterinary Medical Schools; the VMCAS Application Service:  
<http://www.aavmc.org/vmcas/vmcas.htm>

Graduate Record Exam:  
[www.ets.org/gre](http://www.ets.org/gre)

Medical College Admission Test (MCAT)  
<http://www.aamc.org/students/mcat/start.htm>  
<http://www.aamc.org/students/mcat/mcatinterpmanual05.pdf>