

## Basic requirements of the University of Illinois College of Veterinary Medicine

Required Courses	Hrs	Course Name	Prerequisites
BIOL 211	4	Intro Cell Biology & Genetics	high school biology & chemistry
BIOL 212	4	Intro Evolution & Ecology	high school biology & chemistry
CHEM 200, 201	4+1	General Chemistry I & laboratory	high school chem. & Math 108
CHEM 210, 211	4+1	General and Inorganic Chemistry & laboratory	CHEM 200, 201 with C or better
CHEM 340, 341*	3+2	Organic Chemistry I & laboratory	CHEM 200, 201 with C or better
CHEM 350, 351	3+2	Introductory Biochemistry & laboratory	CHEM 340, 341 with C or better
ENGL 101, 102	3+3	English Composition I and II	
MATH 108, 109	3+3	College Algebra, Trig & Analytic Geometry	placement score; MATH 108
PHYS 203A, 253A	3+1	College Physics I & laboratory	MATH 108 & 109, or 111
PHYS 203B, 253B	3+1	College Physics II & laboratory	PHYS 203A, 253A

### Strongly Recommended Electives

ZOOL 220	5	Animal Diversity	general biology
BIOL 305	3	Genetics-Classical and Molecular	BIOL 211; 212 or 213 and CHEM 200, 201
BIOL 306	3	Cell Biology	BIOL 211; 212 or 213 and CHEM 200, 201
BIOL 409	3	Developmental Biology	BIOL 305 and CHEM 200, 201
ANS 337	3	Animal Health	a course in biology or physiology
or PHSL 430	3	Cellular Physiology	BIOL 211, 213 or CHEM 350, 351
MGMT 304 or 350	3	Intro to Management or Small Bus Mgmt	junior standing

### Other Recommended Electives

ZOOL 407	4	Parasitology	ZOOL 220
ZOOL 409	4	Vertebrate Histology	ZOOL 220
ZOOL 413	4	The Invertebrates	ZOOL 220
ZOOL 418	3	Vertebrate Anatomy Lab	ZOOL 220
ZOOL 426	3	Comparative Endocrinology	ZOOL 220
ZOOL 478	3	Animal Behavior	ZOOL 220
MICR 301	4	Principles of Microbiology	BIOL 211, 1 year chemistry
MICR 403	3	Medical Microbiology	MICRO 301
ANS 121	3	Introduction to Animal Science	
ANS 122	1	Livestock Production Laboratory	
ANS 215	2	Introduction to Nutrition	
ANS 332	3	Animal Genetics	ANS 121 or biology, Math 108

\* Many veterinary schools now require organic II (Chem 442, 443) so students need to check with prospective schools.

**Admission is highly competitive** and is usually granted to the best-prepared students. Depth and breadth of experience with animals, including working for and/or observing a veterinarian, is essential. Consider observing at a veterinarian's office, working as a kennel care giver or assistant, volunteering at a wildlife refuge and animal shelter. The University of Illinois requires a letter of recommendation from a veterinarian. The Graduate Record Examination (GRE) is required, and it can be taken locally at the Prometric Testing Center in Carbondale or Carterville.

*Pre-Veterinary Medicine is not a major. The student must also choose a major in which to earn a baccalaureate degree. This major must be declared by the end of the sophomore year. Transfer students must declare a major by the beginning of their second semester following transfer. Typically, Pre-Veterinary students choose a major in Zoology/Pre-Veterinary Science Specialization.*

The Health Professions Information Office is located in the Science Advisement office, Neckers A 185, phone: 618-536-2147. **See the HPIO web page, which has links to schools and application services, at:**

<http://www.science.siu.edu/academics/prehealth.html>. The College of Science Advisors are Jean McPherson, Kim Doellman, Yvonne Grammez, and Sara Rensing. (618-536-5537), web site: <http://www.science.siu.edu/advisement/index.html>.