Pre-Veterinary Medicine

Veterinarians play a major role in the healthcare of pets, livestock, zoo and sporting, and laboratory animals. Some veterinarians use their skills to protect humans against diseases carried by animals and conduct clinical research on human and animal health problems. Others work in basic research, broadening the scope of fundamental theoretical knowledge, and in applied research, developing new ways to use knowledge. There is a growing need for vets with post-graduate education in particular specialties, such as molecular biology, laboratory animal medicine, toxicology, immunology, diagnostic pathology, or environmental medicine. The veterinary profession also is becoming more involved in aquaculture, comparative medical research, food production, and international disease control (explorehealthcareers.org).

The courses listed below must be included as minimum preparation.

**Biology:**
- BIOL 198 Principles of Biology 4 ___
- BIOL 450 Genetics 4 ___
- BIOL 455 Microbiology 4 ___

**Chemistry:**
- CHM 210 Chemistry I 4 ___
- CHM 230 Chemistry II 4 ___
- CHM 350 General Organic Chemistry 3 ___
- CHM 351 General O-Chem Lab 2 ___
- BIOCH 521 Biochemistry 3 ___

**Physics:**
- PHYS 113 Physics I 4 ___
- PHYS 114 Physics II 4 ___

**Social Sciences and/or Humanities**
- ENGL 100 Expository Writing I 3 ___
- ENGL 200 Expository Writing II 3 ___
- COMM 105/106 Public Speaking 2-3 ___

**Electives**
- 9 ___

**Total:** 64-67

Other Related Courses:
- ART 102 Ceramics for Non Majors 3 ___
- ASI 102 Principles of Animal Science 3 ___
- ASI 303 History and Attitudes of Animal Use 3 ___
- ASI 533 Anatomy and Physiology 4 ___
- BIOL 410 Biology of Cancer Cell 3 ___
- BIOL 510 Developmental Biology 3 ___
- BIOL 625 Animal Parasitology 4 ___
- CLSCS 105 Medical Terminology 1 ___
- COMM 311 Business and Prof. Speaking 3 ___
- COMM 322 Interpersonal Communication 3 ___
- DMP 710 Intro to One Health 3 ___
- ENOM 305 Animal Health Entomology 3 ___
- GEOG 100 World Regional Geography 3 ___
- HN/KIN 110 Intro to Public Health 3 ___
- PHIO 365 Medical Ethics 3 ___
- PSYCH 505 Abnormal Psychology 3 ___
- SPAN 101/102 Spanish I or II (or higher) 5 ___
- STAT 340 Biometrics 3 ___

**K-State Pre-Vet Club:** An opportunity to meet other pre-vet students and to become involved both professionally and socially while keeping updated on requirements and admissions policies of Vet School. The club is active with bi-weekly meetings featuring guest speakers; community service projects like zoo clean up; animal related activities to include Humane Society Volunteer and concession stand work to raise funds are just a few of the activities.

Eligibility Criteria & Application Information

K-State’s College of Veterinary Medicine requires completion of the pre-professional curriculum listed above left. A baccalaureate degree is not required; however 70% of those accepted have completed one. Pre-Veterinary Medicine is not a major. Therefore, you are unable to earn a degree after completing only these pre-veterinary requirements. Many students will want to earn a bachelor’s degree and veterinary schools have no preference.

Veterinarians graduate from a 4-year degree program at an accredited college of veterinary medicine with a Doctor of Veterinary Medicine (D.V.M.) degree and obtain a license to practice. There are 28 colleges in 26 states that meet accreditation standards set by the American Veterinary Medical Association Council of Education. Kansas State University is the only vet school in the state of Kansas.

Each year, approximately 112 new students are admitted to the Doctor of Veterinary Medicine program at K-State. Approximately half of these students are from Kansas, and the other half are from throughout the United States and other countries. Because there are more qualified applicants than space permits each year, applicants are ranked based on composite graduate record examination scores, science GPA and other criteria, including animal experience, veterinary experience, letters of reference and interviews. To demonstrate to the admissions committee an understanding of the profession, all students interested in applying to the College of Veterinary Medicine are encouraged to have broad animal experience and to have related veterinary work experience.
Pre-Veterinary Medicine

The application process begins at least one year before entering veterinary school. All applicants must apply through the Veterinary Medical College Application Service (VMCAS). In addition, an online supplemental application for K-State is required.

GRE: All applicants to the College of Veterinary Medicine are required to submit GRE scores. Students must submit their scores by September 15, which is the deadline for submitting VMCAS applications and supplemental applications.

Early Admission Program
The College of Veterinary Medicine offers the Veterinary Early Admission Program to high school seniors when they enter K-State. Students can complete a bachelor's degree at K-State in conjunction with their guaranteed entry into the four-year professional veterinary program. High school seniors with a least a 29 ACT score should contact the College of Veterinary Medicine’s Office of Student Admissions for more information and an application. The application is due by September 1st of the freshman year.

Life Science degree – Pre-Vet option
Students who complete the College of Arts and Sciences basic requirements, the pre-veterinary prerequisites, all the life sciences major requirements except the electives, and a minimum of 84 credit hours prior to enrolling in the College of Veterinary Medicine at K-State may earn a life sciences degree after successful completion of the first year of veterinary medical school.

Helpful Tips:  1) Shadow multiple veterinarian’s in multiple settings.  2) Find volunteer or employment working directly with animals.  3) Journal both of these experiences.  4) Cultivate relationships with faculty, particularly those in science courses, so they can write strong letters of recommendation.  5) Take at least 15 (or more) credit hours a semester.  6) Join the pre-vet club or other student organization.  7) Regularly meet with your pre-vet advisor and the advisor in your major.  8) Seek out academic support like tutoring and study groups.

Helpful Websites

Advanced Placement:  http://www.k-state.edu/undergradadmit/advancedplacement.html
Association of American Veterinary Medical Colleges:  www.aavmc.org
Explore Health Careers:  www.explorehealthcareers.org
K-State Undergraduate Catalog:  http://catalog.k-state.edu/
K-State Transfer Equivalency:  http://www.k-state.edu/undergradadmit/transferequivalency.html
K-State College of Veterinary Medicine Admissions:  http://www.vet.k-state.edu/admissions/
HandsOn K-State:  http://www.k-state.edu/leadership/programs/handson/index.html
AAVMC Engagement System:  http://aavmc.org/Students-Applicants-and-Advisors/Pre-Vet-Student-Resources.aspx
(receive customized targeted emails based on status (HS student, Freshman/Sophomore, Parent etc.)

K-State Pre-Vet Advisor Contact:
College of Arts and Sciences
Gayla Adams-Wright
Health Professions Advising Office
107 Calvin Hall
Manhattan, KS 66506-1011
785-532-6900
gayla@k-state.edu

Vet Med Office of Student Admissions
College of Veterinary Medicine
101 Trotter Hall
1700 Denison Ave.
Manhattan, KS 66506-5601
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