Veterinary Medicine

Pre-Professional Advising 907-474-6396

Veterinary medicine is concerned with two primary areas: the first is the diagnosis, prognosis, treatment and prevention of animal health problems; and the second is protection of the public from animal borne disease through food safety inspection and other methods. Veterinarians also work in the fields of research and education.

A professional program in veterinary medicine generally requires four years of graduate study. In the first three years, students gain a solid foundation through classroom instruction and laboratory work. The final year consists of clinical rotations. Specialization within veterinary medicine requires further study at the post-doctoral level.

Although a bachelor's degree is not required for admission into veterinary school, most entering students have completed a four-year undergraduate degree. Veterinary schools will consider applicants from all disciplines, but because specific course requirements vary among schools, students must be sure to check the admission standards of the school they are interested in. In general, pre-veterinary students should include the following undergraduate courses: introductory chemistry (CHEM F105X, F106X), organic chemistry (CHEM F321, F322, F324), biochemistry (CHEM F451, F452), biology (BIOL F115X, F116X, F342, F362, F418), statistics (STAT F200X), and physics (PHYS F103X, F104X).

Admission to veterinary school is based on the strength of the applicant's undergraduate academic record and test scores on either the Veterinary College Admissions Test or the Graduate Record Examination. Work experience in veterinary medicine is highly recommended.

Advising for students considering veterinary medicine as a career choice is available through the Academic Advising Center. See www.uaf. edu/advising/degree/preprof/vetmedicine.html for more information.

Baccalaureate Core Requirements NATURAL SCIENCES (8) All degrees (e.g. B.A., B.S., etc.) require additional courses. Complete any two (4-credit) courses: Refer to specific degree and program requirements. ATM F101X(4) BIOL F100X(4) BIOL F103X(4) **COMMUNICATION (9)** BIOL F104X(4) Complete the following: BIOL F111X(4) ENGL F111X(3) _ BIOL F112X(4) ENGL F190H may be substituted. BIOL F115X(4) Complete one of the following: BIOL F116X(4) ENGL F211X **OR** ENGL F213X(3) CHEM F100X.....(4) CHEM F103X.....(4) Complete one of the following: COMM F131X **OR** COMM F141X(3) ___ CHEM F104X.....(4) CHEM F105X.....(4) PERSPECTIVES ON THE HUMAN CONDITION (18) CHEM F106X.....(4) Complete all of the following four courses: GEOG F205X(4) ANTH F100X/SOC F100X.....(3) GEOS F100X(4) ECON F100X **OR** PS F100X.....(3) __ GEOS F101X.....(4) HIST F100X.....(3) _____ GEOS F112X(4) ENGL/FL F200X(3) __ GEOS F120X (4) Complete one of the following three courses: GEOS F125X.....(4) ART/MUS/THR F200X, HUM F201X **OR** ANS F202X(3) MSL F111X.....(4) PHYS F102X.....(4) Complete one of the following six courses: PHYS F103X.....(4) BA F323X, COMM F300X, JUST F300X, NRM F303X, PHYS F104X (4) PS F300X **OR** PHIL F322X(3) PHYS F115X.....(4) OR complete 12 credits from the above courses PLUS PHYS F116X.....(4) • two semester-length courses in a single Alaska Native language or other PHYS F175X.....(4) non-English language OR PHYS F211X.....(4) • three semester-length courses (9 credits) in American Sign Language PHYS F212X.....(4) taken at the university level. PHYS F213X.....(4) **MATHEMATICS (3)** LIBRARY AND INFORMATION RESEARCH (0-1) Complete one of the following: Successful completion of library skills competency test **OR** MATH F103X, MATH F107X, MATH F161X **OR** STAT F200X. (3–4) LS F100X or F101X prior to junior standing.....(0-1) * No credit may be earned for more than one of MATH F107X or F161X. UPPER-DIVISION WRITING AND ORAL COMMUNICATION (0) OR complete one of the following:* MATH F200X, MATH F201X, MATH F202X, Complete the following: MATH F262X **OR** MATH F272X.....(4) _ Two writing intensive courses designated (W).....(0) *Or any math course having one of these as a prerequisite. One oral communication intensive course designated (O)(0) **OR** two oral communication intensive courses designated (O/2), at the upper-division level (see degree and/or major requirements)......(0) TOTAL CREDITS REQUIRED......38–39

