



NORTHEASTERN STATE UNIVERSITY

College of Science & Health Professions

Pre-Veterinary Program at OSU

The Pre-Veterinary program is designed to meet the requirements of the Oklahoma State University Center for Veterinary Health Sciences. **A Bachelor degree is strongly recommended.**

MINIMUM REQUIREMENTS:

		<u>Hours</u>	<u>Completed</u>
*Animal Nutrition 3543 (at OSU)	Principal of Animal Nutrition	3	<input type="checkbox"/>
English 1113	Freshman Composition I	3	<input type="checkbox"/>
English 1213	Freshman Composition II	3	<input type="checkbox"/>
Communication 1113 OR	Fundamentals of Oral Communication OR	3	<input type="checkbox"/>
English 3083	Technical Writing	3	<input type="checkbox"/>
Math 1513	College Algebra	3	<input type="checkbox"/>

*Offered through OSU College of Agricultural Sciences & Natural Resources Outreach Office

Humanities/Social Sciences (6 hours)

English literature, speech, music, art, philosophy, religion, language, history, economics, anthropology, political science, psychology, sociology, and geography.

Life Sciences

Biology 1123	Evolution & Diversity	3	<input type="checkbox"/>
Biology 1131	Investigative Laboratory	1	<input type="checkbox"/>
Biology 3224	Microbiology	4	<input type="checkbox"/>
Biology 3013	Animal Biology	3	<input type="checkbox"/>
Biology 3114	Genetics (Lecture Lab)	4	<input type="checkbox"/>
Chemistry 1123, 1131	General Chemistry I (Lecture & Lab)	4	<input type="checkbox"/>
Chemistry 1223, 1231	General Chemistry II (Lecture & Lab)	4	<input type="checkbox"/>
Chemistry 3123, 3132	Organic Chemistry I (Lecture & Lab)	5	<input type="checkbox"/>
Chemistry 3223, 3232	Organic Chemistry II (Lecture & Lab)	5	<input type="checkbox"/>
Chemistry 4214	Biochemistry	4	<input type="checkbox"/>
Physics 1115	General Physics I	5	<input type="checkbox"/>
Physics 1215	General Physics II	5	<input type="checkbox"/>

Biology Elective: Choose at least one of the following courses. *(Be sure to check the NSU catalog for prerequisites for these courses.)*

Biology 3124	Cell Biology	<input type="checkbox"/>
Biology 3344	Environmental Physiology	<input type="checkbox"/>
Biology 3524	General Ecology	<input type="checkbox"/>
Biology 4133	Virology	<input type="checkbox"/>
Biology 4354	Immunology	<input type="checkbox"/>

For additional information contact
Prehealth Professions Advising
Dr. Craig Clifford
Tahlequah Science Building Room 141
918-444-3002
Clifford@nsuok.edu

08/2012

ADDITIONAL INFORMATION

Application Procedure

Students must apply through the Veterinary Medical College Application Service (VMCAS). The electronic application with transcripts must be submitted via VMCAS to the OSU College of Veterinary Medicine by October 1. Fifty-six (56) seats are available for Oklahoma residents and 24 seats are available for non-residents.

Credit Hours and Grade Point Average (GPA)

All applicants to the OSU College of Veterinary Medicine must present a minimum of 64 semester credit hours from an accredited college or university. Applicants with only this minimum however, are not encouraged to apply unless they have demonstrated exceptional personal and intellectual maturity. If a student has completed 90 hours, the possibility exists NSU will grant a bachelor degree after successful completion of the first year in vet school. This is an option requiring careful supervision by the Prehealth advisor. More than half of the students in recent classes have had bachelor's degrees.

In addition to the minimum hours, applicants must present a minimum grade point average of 2.8 (A=4.0) with a minimum grade of C in each required course. For a recently entering class the average GPA was 3.50 overall.

Graduate Record Exam (GRE)

All applicants to veterinary medical school must take the Graduate Record Exam. Students should take the test during the fall semester of the year they apply. The test must be completed no later than the **November** test date. For a recently entering class the average scores were 488-verbal and 635-quantitative.

Choosing a Major

“Pre-veterinary” is not a major. There is no recommended major for pre-veterinary students. Students should select a major in a discipline that will offer satisfying challenges and provide a viable alternative to veterinary school if they are not admitted. The student should be working toward a baccalaureate degree in their discipline of choice while they are completing the prerequisites for veterinary school.

Challenging Curriculum

Medical schools encourage a broad general curriculum in the social sciences and humanities. A high level of competence in the physical and biological sciences, as well as good communication skills is also important. Pre-veterinary students should sequence their courses to demonstrate a capacity to handle the rigors of medical school. Most pre-medical students take from 15-18 hours each semester that includes at least 2 life science courses each semester. If a student chooses a lighter load of courses it will appear to the medical programs that the student is protecting their GPA.

Advising

When students are ready to declare a major, they are assigned to the appropriate departmental advisor. Students should also visit regularly with the prehealth advisor since this person will likely be responsible for writing a recommendation letter for you.

Shadowing/Volunteering Experience

Pre-veterinary students should have knowledge of the profession by volunteering or working under the supervision of a Doctor of Veterinary Medicine. In addition, three letters of recommendation are required, one of which must be from a veterinarian. In order to test the depth of their commitment, pre-veterinary medical students are advised to get direct exposure to the world of veterinary medicine. They may enroll in AG 3010 and arrange to observe and assist a veterinarian (contact 136 Ag Hall), offered at Oklahoma State University. The course, open to students of sophomore standing and above with at least a 2.8 GPA, is an internship which awards three hours of credit upon the completion of several reports on their work experience.

Pre-Professional Health Club

Professionals in various health careers present information regarding their area of expertise at the bimonthly meetings. As an academic club, PPHC provides a student senate representative to obtain information pertinent to the club. PPHC also participates in on campus activities such as the Big Event, the Small Event, Halloween Carnival and the semi-annual PPHC Health Career Fair. Networking with other students in the same field and with professionals is a major focus of PPHC.

Mock Interviews

Students may register to interview with the pre-medical faculty committee for a mock interview which can lead to a recommendation letter from the committee for medical school. Please contact the prehealth advisor for more information.

For OSU-CVHS Information please contact: Dr. Katrina Meinkoth, OSU College of Veterinary Medicine, 110 McElroy Hall, Stillwater, OK 74078 – (405) 744-6985 or Robin Nikson, (405) 744-6653.

Website: <http://www.cvhs.okstate.edu>
<http://www.aavmc.org/>