

INDIANA UNIVERSITY SOUTH BEND
PRE-PROFESSIONAL PROGRAM REQUIREMENTS

VETERINARY MEDICINE

The requirements listed in this brochure pertain to IU South Bend students planning to apply to the Purdue University School of Veterinary Medicine (www.vet.purdue.edu), although requirements for other veterinary schools are generally similar. You will need to determine the entrance requirements for each veterinary school you plan to apply to, and make sure that you incorporate all required courses into your degree program.

A Bachelor's degree, either B.A. or B.S., is generally expected for acceptance into veterinary school, although it is possible that a student may be admitted without a degree upon completion of all required pre-requisite courses. Students may major in any subject, but the most common major is Biology due to the overlap between the degree requirements and entrance requirements for veterinary school. When choosing a major, you should choose a subject area that allows you the potential to pursue other career options as well as veterinary medicine. The Purdue School of Veterinary Medicine minimum requirements are a 3.0 cumulative GPA and a 3.0 pre-requisite GPA; if a course is repeated the two grades earned will be averaged. Students are discouraged from repeating courses unless they earn a grade of D or lower. All applicants are also required to take the Graduate Record Exam (GRE) General Test.

Once you have declared a major, you will need to be advised by an academic advisor in that department regarding the requirements for a Bachelor's degree. You must include the science courses listed below as part of your curriculum no matter what degree you choose to pursue; each course must be for science majors, not general education or survey courses, and must include both a lecture and laboratory component except as listed. Please check the current Bulletin for information about Math Placement Level requirements and other pre-requisites for these courses.

Biological Sciences

L101 Introduction to Biological Sciences I (5 cr.)

L102 Introduction to Biological Sciences II (5 cr.)

L211 Molecular Biology (3 cr.)

L311 Genetics (3 cr.)

M310 Microbiology (3 cr.)

M315 Microbiology Laboratory (2 cr.)

ANSC 221 Animal Nutrition (3 cr.) - *this course is offered as a distance learning course through Purdue University; contact the IU South Bend Registrar's office for information about registering for it via the Northern Indiana Consortium for Higher Education*

Chemistry

C105/C125 Principles of Chemistry I (3 cr.) and Experimental Chemistry I (2 cr.)

C106/C126 Principles of Chemistry II (3 cr.) and Experimental Chemistry II (2 cr.)

C341/C343 Organic Chemistry I (3 cr.) and Organic Chemistry Lab I (2 cr.)

C342/C344 Organic Chemistry II (3 cr.) and Organic Chemistry Lab II (2 cr.)

C484 Biomolecules and Catabolism (3 cr.)

C485 Biosynthesis and Physiology (3 cr.)

Physics

P201 General Physics I (5 cr.)

P202 General Physics II (5 cr.)

OR

P221 Physics I (5 cr.)

P222 Physics II (5 cr.)

Math

M215 Calculus I (5 cr.)

M216 Calculus II (5 cr.)

Statistics (Biology L220 or Math K310 or Math M261) (3 cr.)

Communications

English W131 Elementary Composition (3 cr.)

Speech S121 Public Speaking (3 cr.)

Humanities and Social Sciences

Minimum of 9 credit hours of humanities or social sciences courses

Recommended courses

Biology L308 Organismal Physiology (5 cr.)

Biology L312 Cell Biology (3 cr.)

Biology L317 Developmental Biology (3 cr)

All required pre-veterinary courses must have letter grades; no courses taken on a pass-fail basis will be accepted. Students interested in completing pre-veterinary course work at IU South Bend should contact the Department of Biological Sciences soon after admission to discuss an appropriate degree program. Additional information about veterinary school and the application process in general can be obtained from the Association of American Veterinary Medical Colleges website, www.aavmc.org.