

University of Indianapolis – Shaheen College of Arts & Sciences

2025-2026 Curriculum Guide for the Pre-Veterinary Program (PVET)

Professional Studies Concentration

The Pre-Veterinary Program

As a student interested in a career as a veterinarian, you must complete a number of courses required for admission to veterinary school. These courses also will help you prepare for any admissions examination you will be required to take. The courses required for admission to veterinary school do not compose an undergraduate major; therefore, you must select a major in an academic discipline. You may select any major offered at the University of Indianapolis, but you should consider one that will allow you to complete both major courses and veterinary school prerequisites simultaneously. Your faculty advisor and Academic Advisor can assist you in making your choice of a major.

Advising

You will be assigned a faculty member in your major area who will serve as your faculty advisor. He or she will advise you regarding major and general education core requirements. Each semester you should consult with your faculty advisor, to ensure that you are making satisfactory progress in all phases of your program.

Courses Required for the Pre-Veterinary Program

Veterinary school admission requirements are set by the individual veterinary schools. The following program is based on the admission requirements of the Purdue University School of Veterinary Medicine, the school to which most of our students apply. Students interested in applying to other schools should contact those schools directly to determine the list of admission requirements.

- **BIOL 155** Introduction to Diversity of Life (4)
- **BIOL 165** Introduction to Cell Biology (4)
- **BIOL 225** Introduction to Genetics (4)
- **BIOL 220** General Microbiology (4)
- **CHEM 150** General Chemistry I (3) **and CHEM 151** General Chemistry Lab I (1)
- **CHEM 160** General Chemistry II (3) **and CHEM 161** General Chemistry Lab II (1)
- **CHEM 250** Organic Chemistry I (3) **and CHEM 251** Organic Chemistry Lab I (2)
- **CHEM 260** Organic Chemistry II (3) **and CHEM 261** Organic Chemistry Lab II (2)
- **CHEM 320** Biochemistry I (3)
- **CHEM 395** Biochemistry II (3)
- **MATH 220** Elementary Statistics (4) **or**
- **MATH 245** Statistics for the Sciences (4)
- **PHYS 150** General Physics I (4) **and**
- **PHYS 160** General Physics II (4) **or**
- **PHYS 153** General Physics I, Calculus Based (4) **and**
- **PHYS 163** General Physics II, Calculus Based (4)
- **ENGL 101** English Composition (3)
- Humanities (modern language, cognitive sciences, and social sciences) (9) Communication (interpersonal, persuasion, or speech) (3)

Courses Recommended for the Pre-Veterinary Program

- **BIOL 335** Cell Biology (4)
- **BIOL 300** Internship Health/Life Science (1-4 credits)
- **BIOL 330** Biomedical Physiology (4)
- **BIOL 325** Advanced Genetics (4)
- **ECON 111** Macroeconomics (3)

REMEMBER: If you have any questions about the Pre-Veterinary Program, contact Dr. Joe Burnell or Dr. Katherine Stickney in the Chemistry Department. Courses and requirements sometimes change so keep in contact with your advisor.