

INDIANA UNIVERSITY SOUTH BEND  
PRE-PROFESSIONAL PROGRAM REQUIREMENTS

## PHARMACY

The requirements listed in this brochure pertain to IU South Bend students planning to apply to the Purdue University School of Pharmacy ([www.pharmacy.purdue.edu](http://www.pharmacy.purdue.edu)), although requirements for other pharmacy schools are generally similar. You will need to determine the entrance requirements for each pharmacy 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 pharmacy 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 majors are Biology, Biochemistry or Chemistry due to the overlap between the degree requirements and entrance requirements for pharmacy school. When choosing a major, you should choose a subject area that allows you the potential to pursue other career options as well as pharmacy. Most pharmacy schools require that applicants take the Pharmacy College Admissions Test (PCAT) and submit their scores as part of the application package. The Purdue School of Pharmacy minimum requirements are a 3.0 cumulative GPA, a 3.0 science and math GPA, no more than 3 grades of C in required courses and a maximum of two repeated courses - any applicant who does not meet all of these requirements will be rejected without review. The average matriculant has a 3.6 cumulative GPA and a 3.7 science and math GPA.

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.)
- L321 Immunology (3 cr.)
- M310 Microbiology (3 cr.)
- M315 Microbiology Laboratory (2 cr.)
- P261 Human Anatomy and Physiology I (5 cr.)
- P262 Human Anatomy and Physiology II (5 cr.)

### **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.)

### **Physics**

P201 General Physics I (5 cr.)

OR

P221 Physics I (5 cr.)

Completion of Physics P202 (5 cr.) or P222 (5 cr.) is strongly recommended

### **Math**

M215 Calculus I (5 cr.)

M216 Calculus II (5 cr.)

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

### **Economics**

E103 Microeconomics (3 cr.)

OR

E104 Macroeconomics (3 cr.)

### **English**

W131 Elementary Composition (3 cr.)

W231 Professional Writing Skills (3 cr.)

### **Strongly Recommended**

Phil P140 Ethics (3 cr.) OR Phil T390 Medical Ethics (3 cr.)

Speech S121 Public Speaking (3 cr.)

All required pre-pharmacy courses must have letter grades; no courses taken on a pass-fail basis will be accepted. Students interested in completing pre-pharmacy 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 pharmacy school and the application process in general can be obtained from the American Pharmacists Association website, [www.pharmacist.com](http://www.pharmacist.com).