INDIANA UNIVERSITY SOUTH BEND
PRE-PROFESSIONAL PROGRAM REQUIREMENTS

MEDICINE

The requirements listed in this brochure pertain to IU South Bend students planning to apply to the Indiana University School of Medicine for the Fall 2014 entering class and later, although requirements for other medical schools are generally similar. You will need to determine the entrance requirements for each medical 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 expected for acceptance into medical school, although it need not be completed prior to application for admission. 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 medical school. When choosing a major, you should choose a subject area that allows you the potential to pursue other career options as well as medicine. Each applicant must take the Medical College Admissions Test (MCAT), the national standardized entrance exam, which is offered several times each year; all courses listed below should be completed before the MCAT is taken. Applicants will need to submit MCAT scores as part of their application to medical school, so students should plan to take the MCAT in the spring or summer of the year in which they plan to apply. The IU School of Medicine minimum requirements are a 3.2 cumulative GPA, a 3.2 science and math GPA, and an MCAT composite score of 27 or higher - any applicant who does not meet all of these requirements will be rejected without review. The average matriculant has a 3.7 cumulative GPA, a 3.7 science and math GPA, and an MCAT composite score of 30.

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 can not earn a degree in "pre-medicine". You must include the required 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 a general education/survey course, and must include both a lecture and laboratory component except as listed. Please check the current Bulletin or ask your academic advisor for information about pre-requisites for these courses.

**Biological Sciences**
L101 Introduction to Biological Sciences I (5 cr.)
L102 Introduction to Biological Sciences II (5 cr.)

*Strongly recommended:*
L211 Molecular Biology (3 cr.)
L311 Genetics (3 cr.)
L312 Cell Biology (3 cr.)
L308 Organismal Physiology (5 cr.)
OR
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.) and P202  General Physics II (5 cr.)  
OR  
P221  Physics I (5 cr.) and P222  Physics II (5 cr.)  
(requires Math M215, Calculus I and Math M216, Calculus II)

**Social and Behavioral courses**

Psychology P103  General Psychology  (3 cr.)  
Sociology S161  Principles of Sociology  (3 cr.)

**Additional suggested courses**

Biology L220  Biostatistics  (3 cr.)  
Biology L317  Developmental Biology  (3 cr.)  
Biology L321  Immunology  (3 cr.)  
Biology M430  Virology  (3 cr.)  
Chemistry C485  Biochemistry II  (3 cr.)  
Microbiology M310/M315  (3 cr./2 cr.)  
Speech S122  Interpersonal Communication  (3 cr.)

All required pre-medicine courses must have letter grades; no courses taken on a pass-fail basis will be accepted. Students interested in pre-medical course work at IU South Bend should contact the Department of Biological Sciences soon after admission to discuss an appropriate degree program.

The IU School of Medicine sets admission and degree requirements. Students seeking admission should consult the School of Medicine website at http://medicine.iu.edu/ for further information. Please note that the IU School of Medicine does not review applications from applicants who are not either a US citizen or a legal permanent resident (*i.e.* international students are not eligible for admission, beginning Fall 2012).