

# Indiana State University Pre-Physician Assistant Curriculum

## Required Courses:

### 1. Medical Terminology

[ATTR 225](#) Medical Terminology

(No prerequisites)

### 2. Statistics

[AHS 340](#) Health Biostatistics

Prerequisite: MATH 035 (Fundamentals of Algebra II) with a "C" or better or appropriate placement exam.

OR

[MATH 241](#) Principles of Statistics

Prerequisite: Same as AHS 340 (see above)

### 3. Anatomy + Lab

[ATTR 210/210L](#) Human Anatomy for Allied Health Professionals + Lab

(No prerequisites)

OR

[BIO 231 + BIO 231L](#) Human Anatomy + Lab

(No prerequisites)

### 4. Physiology + Lab

[BIO 241/241L](#) Human Physiology + Lab

Prerequisites: CHEM 100/100L, CHEM 104/104L, CHEM 105-105L, or higher level chemistry class with lab.

OR

[PE 220/220L](#) Human Physiology for Allied Health Professionals + Lab

(No prerequisites)

### 5. Microbiology + Lab

[BIO 274/274L](#) Introduction to Microbiology + Lab

Prerequisites: One lecture/lab pair from the following: CHEM 100/100L; CHEM 103/103L; CHEM 104/104L; CHEM 105/105L; CHEM 106/106L.

OR

[BIO 374/374L](#) Cellular and Microbial Biology + Lab

Prerequisites: BIO 102 (Principles of Biology II); Successful completion of or concurrent enrollment in CHEM 351/351L

### 6. Organic Chemistry I & II + Labs

[CHEM 351/351L](#) Organic Chemistry I + Lab

Prerequisites: CHEM 105 with "C" or better and CHEM 105L. Recommended completion or concurrent enrollment in CHEM 106 and CHEM 106L.

[CHEM 352/352L](#) Organic Chemistry II + Lab

Prerequisites: CHEM 351

**Please note: In addition to above, two upper level human based biology courses are required.**

## 7. 2 Upper Level Human Based Biology Electives\*:

[ATTR 413 Biomedical Ethics](#)

(No prerequisites)

[ATTR 473 Pathophysiology](#)

Prerequisites: PE 220/220 L (Hum Physiology Allied Health Prof); admittance into the professional component of the program through formal application or permission of instructor.

[BIO 380/380L Genetics + Lab](#)

Prerequisite: BIO 102/102L (Principles of Biology II)

[BIO 403 Virology](#)

Prerequisites BIO 374/374L (Cellular and Microbial Biology)

[BIO 406/406L Cell and Tissue Culture + Lab](#)

Prerequisites: BIO 330/330L (General Physiology); BIO 374/374L (Cellular and Microbial Biology) or consent of instructor

[BIO 408/408L Immunology + Lab](#)

(No prerequisites)

[BIO 412 Pathophysiology](#)

Prerequisites: BIO 241/241L (Human Physiology) and BIO 274/274L (Intro to Microbiology)

[BIO 417 Cellular and Molecular Biology I](#)

Prerequisites: BIO 374/374L or CHEM 352/352L (or equivalents)

[BIO 418 Cellular and Molecular Biology II](#)

Prerequisites: BIO 417 (Successful completion)

[BIO 431 General Endocrinology](#)

Prerequisites: BIO 330 (General Physiology)

[CHEM 321/321L Analytical Chemistry + Lab](#)

Prerequisites: CHEM 106/106L

[CHEM 431/431L Biochemistry I](#)

Prerequisites: CHEM 106/106L; CHEM 352/352L (Organic Chemistry II)

To obtain an automatic interview\*\*, Pre-PA students must satisfy the following requirements:

- 100 hours of community service experience
- 1000 hours of healthcare work and/or combined shadowing experience
- CU GPA is 3.3 or above
- CU Science GPA is 3.3 or above
- Bachelor's degree from ISU
- Completion of CASPA application
- Completion of all other program requirements of the ISU PA Program as listed on the website

*\*Human Based Biology courses not listed above may still be considered upon review of the course.*

*\*\*Interview does not guarantee admission to program.*