

Health Career Prerequisites

What classes do I need to take? Being a pre-health student means that you will be responsible for keeping track of your major requirements (IUPUI degree requirements) as well as your health profession's requirements. Below are general requirements for the most common health professions.

REMEMBER: These general requirements can vary between schools. Always double check the prerequisite courses of the schools you plan on applying to.

Pre-Health Core Curriculum

- 1 year English (ENG-W131; ENG-W230/W231/W270 or TCM 22000/32000)
- 1 year General Chemistry w/ lab (CHEM-C 105 & C125, C106 & C126)
- 1 year Biology w/ lab (BIOL-K101, K103)
- 1 year Organic Chemistry w/ lab (CHEM-C341 & C343, C342 & C344)
- 1 year Physics w/ lab (PHYS-P201, P202)
- 1 semester Biochemistry (CHEM-C384 or BIOL-K384)

In addition to the core requirements above, a list of common prerequisites for several health professions are:

Dentistry (DDS)

- 1 year Human Anatomy & Physiology w/ lab (BIOL-N261 & N217)
- 1 semester Microbiology (BIOL-K356)
- 1 semester Psychology (PSY-B110)

Medicine (MD/DO)

- 1 semester Psychology (PSY-B110)
- 1 semester Sociology (SOC-R100)

Physician Assistant (PA)

- 1 year Human Anatomy & Physiology w/ lab (BIOL-N261 & N217)
- 1 semester Microbiology w/ lab (BIOL-K356 & K357)
- 1 semester Introductory Psychology (PSY-B110)
- 1 semester Medical Terminology (HIM-M330)
- 1 semester Statistics (STAT 30100 or 35000)
- 2 semester upper biology Genetics (BIOL-K322), Immunology (BIOL-K338), or Cell Biology (BIOL-K324)

Many programs only requires Organic Chemistry I and Physics I. Does not require Physics or Biochemistry

Physical Therapy (DPT)

- 1 year Human Anatomy & Physiology w/ lab (BIOL-N261 & N-217)
- 1 semester Medical Terminology (HIM-M330)
- 1 semester Exercise Physiology (HPER-P 409)
- 1 semester Introductory Psychology (PSY-B110)
- 1 semester Lifespan Human Development (PSY-B310)
- 1 semester Statistics (STAT 30100 or 35000)

Does not require Organic Chemistry or Biochemistry

Optometry (OD)

- 1 semester Microbiology w/ lab (BIOL-K356 & K357)
- 1 semester Calculus (MATH 23100 or 16500)
- 1 semester Statistics (STAT 30100 or 35000 or PSY-B305)
- 1 semester Introductory Psychology (PSY-B110)
- 1 semester Human Anatomy or Human Physiology w/ lab (BIOL-N261 or N217)

Many programs do not require Organic Chemistry II

Pharmacy (PharmD)

- 1 semester Calculus (MATH 23100 or 16500)
- 1 year Human Anatomy & Physiology w/ lab (BIOL-N261 & N-217)
- 1 semester Microbiology & Lab (BIOL-K356 & K357)
- 1 semester Economics (ECON-E201 or E-202)
- 1 semester Statistics (STAT 30100 or 35000)
- 1 semester Speech Communication (COMM-R110)
- 1 semester Introductory Psychology or Sociology (PSY-B110 or SOC-R110)

Only requires 1st semester Physics. Many programs do not require Biochemistry

Veterinary Medicine (DVM)

- 1 semester Genetics (BIOL-K322)
- 1 semester Microbiology w/ lab (BIOL-K356 & K357)
- 1 semester Communications (COMM-R110)
- 3 semesters humanities (Psychology (PSY-B110), Sociology (SOC-R100), or foreign language)

Purdue requires 1 semester Animal Nutrition (offered only through Purdue: ANSC 22100; online sections available, must be completed prior to matriculation)

It is important to remember to complete both your major requirements and your pre-health requirements as these do not always overlap. Be sure to contact your academic advisor with any questions/concerns you have with enrollment, courses, units offered at IUPUI that correspond to the pre-health requirements.

Occupational Therapy does not follow the same core requirements as listed above. The prerequisites for this program are listed below.

Occupational Therapy (OTD)

- 1 year Human Anatomy & Physiology w/ lab (BIOL-N261 & N217)
- 1 semester Medical Terminology (HIM-M330)
- 1 semester Psychology (PSY-B110)
- 1 semester Lifespan Human Development (PSY-B310)
- 1 semester Abnormal Psychology (PSY-B380)
- 1 semester Sociology (SOC-R100) or Anthropology
- 1 semester Statistics (STAT 30100 or 35000 or PSY-B 305)