

# 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

- 2 semesters English (ENG-W131; ENG-W230/W231/W270 or TCM 22000/32000)
- 2 semesters General Chemistry w/ lab (CHEM-C 105 & C125, C106 & C126)
- 2 semesters Biology w/ lab (BIOL-K101, K103)
- 2 semesters Organic Chemistry w/ lab (CHEM-C341 & C343, C342 & C344)
- 2 semesters 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 semester Human Anatomy w/ lab (BIOL-N261)
- 1 semester Human Physiology w/ lab (BIOL-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 semester Human Anatomy w/ lab (BIOL-N261)
  - 1 semester Human Physiology w/ lab (BIOL-N217)
  - 1 semester Microbiology w/ lab (BIOL-K356 & K357)
  - 1 semester Introductory Psychology (PSY-B110)
  - 1 semester Medical Terminology (HIM-M330 or RADI-R 108)
  - 1 semester Statistics (STAT 30100 or 35000)
  - 2 semesters upper biology Genetics (BIOL-K322), Immunology (BIOL-K338), or Cell Biology (BIOL-K324)
- \*\*Many programs only require Organic Chemistry I and do not require Biochemistry. Does not require Physics\*\***

## Physical Therapy (DPT)

- 1 semester Human Anatomy w/ lab (BIOL-N261)
  - 1 semester Human Physiology w/ lab (BIOL-N217)
  - 1 semester Medical Terminology (HIM-M330 or RADI-R 108)
  - 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. BIOL-N461 fulfills the cadaver lab required by some programs. \*\***

## 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 only require Organic Chemistry I\*\***

## Pharmacy (PharmD)

- 1 semester Calculus (MATH 23100 or 16500)
- 1 semester Human Anatomy w/ lab (BIOL-N261)
- 1 semester Human Physiology w/ lab (BIOL-N217)
- 1 semester Microbiology & Lab (BIOL-K356 & K357)
- 1 semester Economics (ECON-E201 or E202)
- 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 Physics I. 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) \*\***

## **Pre-Professional & Career Preparation for Science Students (PREPs)**

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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 semester Human Anatomy w/ lab (BIOL-N261)
  - 1 semester Human Physiology w/ lab (BIOL-N217)
  - 1 semester Physics w/ lab (PHYS-P201)
  - 1 semester Medical Terminology (HIM-M330 or RAD-R 108)
  - 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)
- \*\* BIOL-N461 fulfills the cadaver lab required by some programs \*\**