

HEALTH PROFESSIONS ADVISING TRACK

This overview is intended as a general course of study for students interested in one of the health care professions. It is ***strongly recommended*** that students identify a “Pre-medical advisor” and consult with that advisor regularly throughout the course of study.

Strongly recommended (or required) coursework:

Biology Core (BIO 121, 131, 122, 132, 234, 244, 210, 211)

General Genetics (BIO 333)

Introductory and Organic Chemistry (CHM 151, 161, 152, 162, 251, 252, 263, 264)

Physics with laboratory (PHY 101, 102 and PHY 103, PHY 104 or PHY 113, 114)

Calculus (MTH 111, 112)

Recommended coursework:

BIO 320 Embryology and/or BIO 421 Developmental Biology

BIO 370 Animal Physiology and/or BIO 415 Comparative vertebrate anatomy

BIO 427 Molecular Biology

BIO 321 General Microbiology

Other suggested coursework:

BIO 430 Biological Statistics

BIO 422 Immunology

BIO 452 Virology

BIO 405 Human Molecular Genetics

BIO 434 Advanced Cell Biology

PSY 101 Psychology (as part of Gen Ed requirements)

PHL 317 Ethics and Health Care Professionals

ENL 266 Technical Communications

Business course



Standardized Tests: Standardized testing is required for admission to many professional programs.

Courses listed as “strongly recommended” and as much “recommended” coursework as possible should be completed prior to taking the standardized tests.

- Medical Doctor programs (Medical School): The MCAT is the standardized test. The exam is now computerized and offered several times per year. The exam should be taken several months prior to applying the programs. The primary application is through AMCAS (<http://www.aamc.org/start.htm>) and secondary application is *invited* by individual schools. Letters of recommendation including one for the Premedical Advisory Committee (interview required) and a record of community service are required.
- Doctor of Osteopathy (Medical School): The requirements are the same as MD programs, but one of the letters of recommendation should be from a practicing DO.
- Physicians Assistant Programs: Standardized testing is often required, but varies among programs. The application for these programs is through CASPA (<https://portal.caspaonline.org>). Letters of recommendation and extensive practical experience are required.
- Doctor of Veterinary Medicine (Vet School): The GREs, letters of recommendation, and practical experience are required.

Examples of potential careers:

Physician (Medical Doctor or Doctor of Osteopathy)

Allied health professions (Physician’s Assistant, Nurse Practitioner,

Physical Therapist, Nurse Midwife, Occupational Therapist, Nurse Anesthetist)

Pharmacist, Veterinarian, Dentist

