

PRE-MEDICINE/PRE- PODIATRY OPTION

This option is offered within the following major(s):

- BioHealth Sciences - College of Science (<http://catalog.oregonstate.edu/college-departments/science/school-life-sciences/microbiology/biohealth-sciences-bs-hbs>)

Physicians diagnose illness and injury, prescribe and administer treatment and advise patients about how to prevent and manage wellbeing. There are two traditional paths to becoming a doctor: allopathic medicine, which leads to Doctor of Medicine (MD), or osteopathic medicine, which leads to a Doctor of Osteopathy (DO). Both provide the education and training necessary to practice medicine. A podiatrist is a Doctor of Podiatric Medicine (DPM), trained specifically to diagnose and treat conditions of the foot, ankle, and related structures of the leg.

The BioHealth Sciences major combined with the Pre-Medicine/Pre-Podiatry option is designed to meet most or all of the requirements for admission to allopathic, osteopathic, or podiatric medical schools across the U.S. Satisfactory completion of the Pre-Medicine/Pre-Podiatry option facilitates, but does not guarantee, admission to any medical school. The BioHealth Sciences major is also suited for postbaccalaureate students who already have a bachelor's degree in another subject and need science course work to apply to medical school.

The book, *Medical School Admission Requirements*, published by the Association of American Medical Colleges (<https://www.aamc.org/>), lists specific entrance requirements for allopathic (MD) schools. The American Association of Colleges of Osteopathic Medicine (<http://www.aacom.org/>) lists requirements for osteopathic (DO) schools. The American Association of College of Podiatric Medicine (<http://www.aacpm.org/>) lists requirements for podiatric (DPM) schools. Students are urged to carefully check admission requirements at their schools of interest and work closely with admission representatives in order to make sure they are meeting all requirements.

Admission to medical school is very competitive. Students are chosen according to grades, MCAT scores, medical experience, and apparent motivation for medicine. A member of the premedical committee is assigned to each student as an advisor.

Students may not combine the Pre-Medicine/PrePodiatry option with any other option offered with the BioHealth Sciences major (Pre-Physician Assistant, Pre-Pharmacy, Pre-Clinical Laboratory Science, Pre-Dentistry, Pre-Optometry, Pre-Physical Therapy).

Courses may be used to meet requirements for the BHS core and/or bacc core. For the Pre-Medicine/Pre-Podiatry option, MB 416 IMMUNOLOGY will meet the BHS core requirement for an immunology course, MTH 251 *DIFFERENTIAL CALCULUS and MTH 252 INTEGRAL CALCULUS will meet the BHS core requirement for two MTH courses at MTH 111 *COLLEGE ALGEBRA or higher, and ST 351 INTRODUCTION TO STATISTICAL METHODS will meet the BHS core requirement for a statistics course. PHL 444 *BIOMEDICAL ETHICS, if chosen, will meet the bacc core requirement for a Science, Technology, and Society synthesis course. ANTH 383 *INTRODUCTION TO MEDICAL ANTHROPOLOGY, if chosen, will meet the bacc core requirement for a Contemporary Global Issues synthesis course.

Code	Title	Hours
BI 109	HEALTH PROFESSIONS: MEDICAL	1
MB 416	IMMUNOLOGY	3
MTH 251	*DIFFERENTIAL CALCULUS	4
MTH 252	INTEGRAL CALCULUS	4
PHL 444	*BIOMEDICAL ETHICS	3-4
or REL 444	*BIOMEDICAL ETHICS	
or ANTH 383	*INTRODUCTION TO MEDICAL ANTHROPOLOGY	
SOC 204	*INTRODUCTION TO SOCIOLOGY	3
or SOC 206	*SOCIAL PROBLEMS AND ISSUES	
ST 351	INTRODUCTION TO STATISTICAL METHODS	4
Z 431	VERTEBRATE PHYSIOLOGY I	4
Z 432	VERTEBRATE PHYSIOLOGY II	3
Select two of the following:		6
MB 430	BACTERIAL PATHOGENESIS	
MB 434	VIROLOGY	
MB 480	GENERAL PARASITOLOGY	
Total Hours		35-36

* Baccalaureate Core Course (BCC)

Option Code: 775