PRE-MEDICINE/BIOLOGY OPTION

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


The Pre-Medicine/Biology option is designed to meet the requirements for most medical schools (Track I) or physician assistant schools (Track II) in the U.S., but students should consult the requirements for specific schools before they apply because requirements can change. The option couples the comprehensive biological sciences background of the Biology major with intensive physiology laboratory experiences and important social science requirements. Dedicated health profession advisors work with Pre-Medicine/Biology option students to integrate essential professional experiences during their time at OSU.

Options in the Biology major require fifteen or fewer additional credits (one term) beyond the basic Biology major, and most students can complete the additional Pre-Medicine/Biology option course work in four years. Biology students may obtain a Pre-Medicine option by satisfying the Core and either Track I or Track II below with a 3.0 or higher cumulative GPA in major and option course work. Courses used to satisfy the Pre-Medicine option requirements also satisfy the Biology and Society, Physics/Computer Science and Quantitative Applications, Organismal Biology, Physiology, Writing Intensive Course and Upper-Division Science Electives requirements in the Biology major. Several courses may also be used to satisfy areas of the baccalaureate core.

Students may pursue either the Pre-Medicine, Pre-Dentistry, Pre-Veterinary Medicine or Physiology and Behavior options within the Biology major—no dual combinations of these options are permitted.

Students interested in private practice should also consider taking BA 215 FUNDAMENTALS OF ACCOUNTING, or BA 260 INTRODUCTION TO ENTREPRENEURSHIP.

It is recommended that Pre-Medicine/Biology option students take COMM 218 *INTERPERSONAL COMMUNICATION, to complete the Biology major baccalaureate core communications requirement.

It is recommended that Pre-Medicine/Biology option students take COMM 218, *Interpersonal Communication (3), to complete the Biology major baccalaureate core communications requirement.

The option sections and courses within them are arranged in the order they are generally completed.

For further information, see MyDegrees or the Integrative Biology website at http://ib.oregonstate.edu.

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Writing Intensive Course (WIC)

Select one of the following:

- BI 317/BB 317 *SCIENTIFIC THEORY AND PRACTICE
- BI 319/Z 319 *CRITICAL THINKING AND COMMUNICATION IN THE LIFE SCIENCES
- MB 385 *EMERGING INFECTIOUS DISEASES AND EPIDEMICS
- HSTS 417 **HISTORY OF MEDICINE

Medicine, Health and Society

Select one of the following:

- ANTH 352 *ANTHROPOLOGY, HEALTH, AND ENVIRONMENT
- ANTH 383 *INTRODUCTION TO MEDICAL ANTHROPOLOGY
- ANTH 474 CROSS-CULTURAL HEALTH AND HEALING
- BB 332 *MOLECULAR MEDICINE
- BI 420 *VIRUSES IN MODERN SOCIETY
- H 210 *INTRODUCTION TO THE HEALTH CARE SYSTEM
- H 225 *SOCIAL AND INDIVIDUAL HEALTH DETERMINANTS
- H 312 *HIV/AIDS AND STIS IN MODERN SOCIETY
- H 320 *INTRODUCTION TO HUMAN DISEASE
- H 333 *GLOBAL PUBLIC HEALTH
- HSTS 416 *HISTORY OF MEDICINE PRE-1800
- MB 330 *DISEASE AND SOCIETY
- SOC 350 HEALTH, ILLNESS AND SOCIETY

Tracks

Select one of the following:

- Track I Pre-Medicine
- Track II Pre-Physician Assistant

Total Hours 51-62

* Baccalaureate Core Course (BCC)

Track I Pre-Medicine

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Biological Science/Psychology Elective

Select two of the following:

- BB 360 INTRODUCTION TO NEUROSCIENCE
- BB 460 ADVANCED CELL BIOLOGY
- BI 495 DISEASE ECOLOGY
- MB 416 IMMUNOLOGY
- MB 436 THE HUMAN MICROBIOME
- MB 480 GENERAL PARASITOLOGY
- PSY 381 ABNORMAL PSYCHOLOGY
- PSY 433 PSYCHOPHARMACOLOGY
- TOX 411 FUNDAMENTALS OF TOXICOLOGY
Z 422  COMPARATIVE/FUNCTIONAL VERTEBRATE ANATOMY
Z 425  EMBRYOLOGY AND DEVELOPMENT
Z 437  VERTEBRATE ENDOCRINOLOGY
Z 438  BEHAVIORAL NEUROBIOLOGY

Upper-Division Elective
Select one of the following paths:

Pre-Medical Experiential Learning Credits
Complete any combination of 3 credits of the following:

BI 309  TEACHING PRACTICUM (by approval)
BI 401  RESEARCH AND SCHOLARSHIP (by approval)
BI 409  ADVANCED TEACHING PRACTICUM (by approval)

Pre-Medical Science Elective Course
Select 3 credits

Total Hours
16-18

Track II Pre-Physician Assistant

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Upper-Division Elective