

PRE-MEDICINE/ BIOCHEMISTRY AND MOLECULAR BIOLOGY OPTION

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

- Biochemistry and Molecular Biology - College of Science (<http://catalog.oregonstate.edu/college-departments/science/school-life-sciences/biochemistry-biophysics/biochemistry-molecular-biology-bs-hbs/>)

Biochemistry and Molecular Biology students interested in a career in medicine should choose this option. It may also be suitable for students interested in some other health professions and these students should first consult with their advisor. In addition to offering a rigorous foundation in biochemistry, molecular and cellular biology, chemistry, and genetics, the Pre-medicine option meets the requirements for most medical schools in the U.S. by providing students with training in psychology, ethics and social sciences. Students have a wide choice of medically relevant electives in areas such as physiology, microbiology, and immunology. Students are strongly encouraged to participate in undergraduate research. Faculty pre-med advisors guide students to integrate undergraduate research and other relevant professional opportunities into their undergraduate experience and to prepare themselves as strong candidates for admission to the professional schools of their interest.

Option Code: 974

Code	Title	Credits
Core		
BI 109	HEALTH PROFESSIONS: MEDICAL	1
Electives		
<i>Psychology</i>		
PSY 201 or PSY 202	*GENERAL PSYCHOLOGY *GENERAL PSYCHOLOGY	4
<i>Ethics</i>		
PHL 205 or PHL 444/REL 444	*ETHICS *BIOMEDICAL ETHICS	4
<i>Additional Social Science</i>		
ANTH 383 or SOC 204	*INTRODUCTION TO MEDICAL ANTHROPOLOGY *INTRODUCTION TO SOCIOLOGY	3
<i>Science Electives</i>		
Select 10 or more credits of the following:		10
BB 332	*MOLECULAR MEDICINE	
BB 360	INTRODUCTION TO NEUROSCIENCE	
BB 361	NEUROSCIENCE OF SENSORY AND MOTOR SYSTEMS	
BB 401	UNDERGRADUATE RESEARCH (1-3 credits allowed)	
BI 311	GENETICS	
BI 331 & BI 341	ADVANCED HUMAN ANATOMY AND PHYSIOLOGY and ADVANCED HUMAN ANATOMY AND PHYSIOLOGY LABORATORY ¹	
MB 302	GENERAL MICROBIOLOGY	
MB 303	GENERAL MICROBIOLOGY LABORATORY	
MB 310	BACTERIAL MOLECULAR GENETICS	
MB 416	IMMUNOLOGY	
MB 430	BACTERIAL PATHOGENESIS	
MB 434	VIROLOGY	

MB 436	THE HUMAN MICROBIOME
Total Credits	22

*
Baccalaureate Core Course (BCC)

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BI 331 & BI 341 (together) may be substituted for Z 431 or Z 437

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