

Pre-Medicine/Biochemistry and Molecular Biology Option

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.

Students pursuing the Pre-Medicine/Biochemistry and Molecular Biology Option take **96 credits** from the Biochemistry and Molecular Biology Core **PLUS**:

Core

BI 109. Health Professions: Medical (1)

Electives

Select 20 or more credits from the following:

Psychology—Select 3 or more credits:

PSY 201. *General Psychology (3)

PSY 202. *General Psychology (3)

Ethics—Select 3 or more credits:

PHL 205. *Ethics (4)

PHL/REL 444. *Biomedical Ethics (4)

Additional Social Science—Select 3 or more credits:

ANTH 383. *Introduction to Medical Anthropology (3)

SOC 204. *Introduction to Sociology (3)

Science Electives—Select 10 or more credits:

BB 332. *Molecular Medicine (3)

BB 401. Undergraduate Research (1–3 credits allowed)

BI 311. Genetics (4)

MB 302. General Microbiology (3)

MB 303. General Microbiology Laboratory (2)

MB 310. Bacterial Molecular Genetics (3)

or MB 456. Microbial Genetics and Biotechnology (3)

MB 416. Immunology (3)

MB 430. Bacterial Pathogenesis (3)

MB 434. Virology (3)

Z 431. Vertebrate Physiology I (3)

Z 432. Vertebrate Physiology II (3)

Z 437. Vertebrate Endocrinology (4)

Total=21 or more credits

Option Code: 974