

PREMEDICAL AND OTHER PREPROFESSIONAL HEALTH CAREER PREPARATION

www.premed.neu.edu

Premedical Studies

Because medical schools place a priority on well-rounded achievement, the premed course requirements can be integrated into any major at Northeastern. Most medical school admissions committees give no preference to any particular undergraduate major. Instead, students should focus on meeting the course requirements of their chosen majors, together with the premedical requirements, with demonstrated academic rigor and excellence. The Premed Advising Program provides support for students from all majors who are planning to pursue doctoral-level training in medicine (including dentistry, optometry, osteopathy, podiatry, and veterinary medicine as well as MD programs).

In certain fields of medicine, scheduling all of the required courses and their prerequisites may be difficult for nonscience majors. Students interested in pursuing postgraduate degrees in dentistry, optometry, or veterinary medicine should be aware that these programs generally require additional courses beyond the minimum listed below and that these requirements tend to be more variable than for MD, osteopathy, or podiatry programs. All premedical students should research requirements and plan their program of study early in their academic career at NU in consultation with both major and premedical advisors to ensure that required courses will be completed in a timely fashion.

Prerequisite Courses

Most medical schools require a common set of science courses. The following Northeastern University courses are recommended:

BIOLOGY

Complete a lecture and lab for both Biology 1 and Biology 2:

Biology 1

BIO U101	Principles of Biology 1	4 SH
with BIO U102	Lab for BIO U101	1 SH
or BIO U111	General Biology 1	4 SH
with BIO U112	Lab for BIO U111	1 SH

Biology 2

BIO U103	Principles of Biology 2	4 SH
with BIO U104	Lab for BIO U103	1 SH
or BIO U113	General Biology 2	4 SH
with BIO U114	Lab for BIO U113	1 SH

CHEMISTRY

General Chemistry

Complete the following two courses with corresponding labs:

CHM U211	General Chemistry 1	4 SH
with CHM U212	Lab for CHM U211	1 SH
CHM U214	General Chemistry 2	4 SH
with CHM U215	Lab for CHM U214	1 SH

Organic Chemistry

Complete the following two courses with corresponding labs:

CHM U311	Organic Chemistry 1	4 SH
with CHM U312	Lab for CHM U311	1 SH
CHM U313	Organic Chemistry 2	4 SH
with CHM U314	Lab for CHM U313	1 SH

PHYSICS

Complete a lecture and a lab for both Physics 1 and for Physics 2:

Physics 1

PHY U145	Physics for Life Sciences 1	4 SH
with PHY U146	Lab for PHY U145	1 SH
or PHY U151	Physics for Engineering 1	4 SH
with PHY U152	Lab for PHY U151	1 SH

Physics 2

PHY U147	Physics for Life Sciences 2	4 SH
with PHY U148	Lab for PHY U147	1 SH
or PHY U155	Physics for Engineering 2	4 SH
with PHY U156	Lab for PHY U155	1 SH

MATHEMATICS

Complete one of the following sets of mathematics courses:

MTH U141	Calculus 1	4 SH
with MTH U142	Calculus 2	4 SH
or MTH U151	Calculus and Differential Equations for Biology 1	4 SH
with MTH U152	Calculus and Differential Equations for Biology 2	4 SH
or MTH U130	College Math for Business and Economics	4 SH
with MTH U131	Calculus for Business and Economics	4 SH
or MTH U241	Calculus 1 for Science and Engineering	4 SH
with MTH U242	Calculus 2 for Science and Engineering	4 SH

Additional courses may be required or suggested by some schools. Students should refer to individual medical school Web sites as well as the appropriate official admissions guidebook for up-to-date information: *ADEA Official Guide to Dental Schools* (www.adea.org/); *College Information Book* (www.aacom.org/); *Colleges of Podiatric Medicine Admissions Requirements* (www.aacpm.org/); *Medical School Admissions Requirements* (www.aamc.org/); *Schools and Colleges of Optometry Admissions Requirements* (www.opted.org/); or *Veterinary Medical School Admissions Requirements* (www.aavmc.org/).

BA/MD Early Acceptance Program at Tufts University School of Medicine

Tufts University School of Medicine offers an early acceptance program for eligible students at participating institutions. In addition to Northeastern University, institutions currently participating in this program are: Tufts University, Brandeis University, Boston College, and the College of the Holy Cross.