

Recommended Pre-Health Curriculum

*Certain courses listed here may be substituted depending on your major.
Make sure to meet with a pre-health advisor at least once/semester to discuss your course plans.*

Biology (two semesters)

BI107

Additional biology courses recommended for non-biological science majors (at least 2):

BI108 or BI116 or NE116

BI203 or BI213 or NE218

BI206 or BI216

BI315

General Chemistry (two semesters)

CH101 or CH109

CH102 or CH110 or CH116

Organic Chemistry (two semesters)

CH203 or CH211 or CH 218

CH204 or CH212 or CH214

Biochemistry (one semester)

CH373 or BB421 or BB421/422

Mathematics (one semester of each)

Calculus: MA121 or MA122 or MA 123 or MA124 or MA127 or MA129

Statistics: MA113 or MA115 or MA116 or MA213/MA214

Physics (two semesters)

PY105 or PY211 or PY241 or PY251

PY106 or PY212 or PY242 or PY252

English (two semesters)*

**this may be fulfilled in several different ways such as WR120, 150+, EN, CGS RH, KHC, etc.*

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For pre-medical students (recommended for MCAT preparation)

Psychology (one semester): PS101 or PS261

Sociology (one semester): SO100 or SO215

Other Required Courses:

The recommended courses listed above are generally required by most health profession schools. However, prerequisite requirements vary from school to school and/or by profession.

It is your responsibility to research each program you are interested in and know the requirements.

Notes:

We strongly encourage students complete the appropriate prerequisites before taking any required standardized tests (ex. MCAT, DAT, PCAT, OAT, PA-CAT, etc.)

Chemistry Majors:

- We recommend that Chemistry majors complete both BI 107 (Biology 1) and BI 108 (Biology 2).
- Chemistry majors may also want to consider taking an additional upper-level biology course such as BI 203 (Cell Biology) or BI 213 (Intensive Cell Biology), BI 206 (Genetics) or BI 216 (Intensive Genetics), or BI 315 (Systems Physiology).

Biochemistry and Molecular Biology Majors:

- Biochemistry and Molecular Biology (BMB) majors are not required to take BI 107. We recommend that BMB majors take BI 108 (Biology 2), BI 213 (Intensive Cell Biology) or BI 203 (Cell Biology), and BI 315 (Systems Physiology) to complete the pre-health biology requirement.

Neuroscience Majors:

- Neuroscience majors are not required to take BI 107. We recommend that Neuroscience majors take NE 102 (Introduction to Cellular and Molecular Biology) or NE116 (Introduction to Cell and Molecular Biology with Integrated Science Experience 1 Lab), BI 203 or BI 213 or NE218 (Cell Biology), and BI 315 (Systems Physiology) to complete health profession schools' biology requirements.

Biomedical Engineering Majors:

- Biomedical Engineering majors usually complete the pre-health science courses by following the major's standard curriculum and taking Organic Chemistry during the sophomore year and Biochemistry during the junior year.

Sargent College:

- We recommend that Sargent College students whose majors include the CH 171/174/373 chemistry sequence discuss their course selections with an advisor at Sargent College and enroll in the CH 101/102 and CH 203/204 sequences instead of CH 171 and CH 172 or CH 174 to fulfill their pre-health chemistry requirements.
- We recommend that Sargent College students whose majors include BI 105 (Introductory Biology for Health Sciences) discuss their course selections with an advisor at Sargent College and enroll in the BI 107/108 biology sequence instead of BI 105 to fulfill their pre-health biology requirements.

College of General Studies:

- College of General Studies students should be aware that the electives selected for freshman year may impact the pace at which they complete the pre-health requirements and the timing of their application to professional schools. The "Pre-Med/Pre-Health Pathways," available at the College of General Studies, provides additional important information to consider in completing the pre-health curriculum.

For additional information about the pre-health curriculum, check out our website:

<https://www.bu.edu/prehealth/academics/prehealthcurriculum/>

When researching schools/programs and keeping track of requirements, use our School List Templates:

<https://www.bu.edu/prehealth/applicants/selecting-schools/>