



MERRIMACK COLLEGE

Medical School Prerequisite Courses

Nearly all M.D. and D.O. programs require two semesters of General Biology, two semesters of General Chemistry, two semesters of Organic Chemistry, two semesters of Physics, Biochemistry, two semesters of English, and Calculus and/or Statistics. Additionally, to give yourself the foundation for success on the MCAT exam, additional upper level coursework is highly recommended. Medical schools vary in their pre-requisites, and applicants are encouraged to check with each individual medical school to ensure that they have taken all required courses.

Most medical schools require the following coursework:

Medical School Prerequisite Course	Merrimack College Course Equivalent
1 year of General Chemistry with Lab	CHM 1110 + CHEM 1120
1 year of Organic Chemistry with Lab	CHM 2210 + CHM 2220
1 year of Introductory Biology with Lab	BIO 1027 (or BIO1025) + BIO 1028
1 year of Physics with Lab	PHY 2211+PHY2212 OR 2101+2102
1 year of English	ENG1050 and one other English course
Calculus I or Statistics (ideally, both)	MTH1217 and MTH1111
1 semester Biochemistry with lab	BIO 3037
1 semester Sociology	SOC 1000
1 semester Psychology	PSY 1000

The following additional courses are strongly recommended*:

Medical School Recommended Course	Merrimack College Course Equivalent
1 semester Genetics with lab	BIO 2018
1 semester Cell Biology with lab	BIO 3040
1-2 semesters upper-level Anatomy and Physiology	BIO3050 and/or BIO3051

*In addition to the above, medical schools like to see that you have taken a range of courses in the Humanities, which you will do in fulfillment of the Liberal Studies Core at Merrimack College. Challenge yourself in your coursework, read and write broadly and don't be afraid to pursue academic interests both within and beyond science and medicine! Get involved in research and/or internships. Engage in physician shadowing and other clinical exposure opportunities.

For additional information and resources:

<https://students-residents.aamc.org/choosing-medical-career/article/admission-requirements-medical-school/>