

General Course Requirements for Medical Schools

Unlike other students at Westmont who need only to fulfill requirements for their major and for graduation, if you are considering a career in medicine you must also plan ahead to fulfill medical school entrance requirements.

Every medical school in the country requires:

- one year of general chemistry (with lab)
- one year of organic chemistry (with lab)
- one year of physics (with lab)
- one year of biology (with lab)

Most also require:

- a year of college English (one semester must be composition)

Many schools require:

- the equivalent of a year of college mathematics. Some require a semester of calculus; only a couple of schools currently require a full year of calculus. Others require a statistics course, and several schools require two semesters of college math chosen among calculus, statistics or computer science. In general, you will mostly be fine with a semester of Calculus and a second semester of Statistics or Calculus.
- a semester of **biochemistry**

Some schools require:

- Other biology courses: Genetics, physiology, microbiology, cell biology

Westmont Courses that Satisfy the above Requirements

CHEMISTRY: Chemistry 5 and 6 (or 5H and 6H), Chemistry 101 and 102, Biochemistry 113

PHYSICS: Physics 21, 23 & 22, 24; or Physics 11, 13 & 14

BIOLOGY: Biology 5 & 6
(Additional Biology Courses: Especially Genetics 114 and Physiology 102 plus Cell Biology 130 or Microbiology 110)

MATHEMATICS: Any two of Math 5 (Statistics), 9 & 10 (Calculus)

ENGLISH: Any two English courses. One of these must be composition (either English 2 or 104). You may also take literature or writing courses offered in other departments besides English, e.g. European Studies, or the "literature in translation" courses offered by the foreign language departments.

Sample Four Year Program for Meeting Medical School Requirements

Note: It is important that you enroll in General Chemistry during your first semester at Westmont. Most students will also enroll in Calculus; along with a Religious Studies course (RS 10 or 20).