

Course Prerequisites for Medicine (M.D.)

Due to variation in each school's curriculum, the following is merely a guideline of typical requirements. To determine the exact requirements for each program, the student should work with their academic advisor to review each school to which he/she is applying.

SMSU Course Number	Pre-Requisite courses for Program	Semester Credit Hours
Biol 200 Biol 201	Introduction to cellular biology and lab Introduction to Biodiversity and Evolution and lab	4 4
Additional Biology courses	Four courses (at least two with lab) from the following recommended list: Botany, Anatomy and Physiology I and II, Microbiology, Genetics, Immunology, Biochemistry	14+
Chem 231/232 Chem 351/352 Chem 473	General Chemistry I and II with lab Organic Chemistry I and II with lab Biochemistry (highly recommended)	10 10 3
Phys 141/142	College Physics I and II	8
Psyc 101	General Psychology	3
Math XXX	Calculus, or Statistics	3
Eng 151 Eng 251	Academic Writing Writing in the Professions	4 3
Liberal Arts Electives	Elective courses should be selected to achieve as broad and liberal an education as possible. Additional electives can be chosen from among the following recommended subject areas: Ethics, Social and Behavioral Sciences, Humanities, Foreign Language, and Communication. Courses considered "writing intensive" or emphasizing communication skills are recommended.	variable

Courses in biology, chemistry, and physics may be considered outdated if taken more than five years before the time of application.

All applicants are required to take the Medical College Admissions Test (MCAT) to assess the examinee's verbal reasoning, problem solving, critical thinking, and knowledge of both physical and biological sciences. Information regarding the MCAT may be found at <https://www.aamc.org/students/applying/mcat/>