

Medicine

Health Professions Advisory Program



Academic Requirements for Programs in Allopathic Medicine (M.D.) and Osteopathic Medicine (D.O.)

Required Courses These are the SSU courses most commonly used to satisfy the prerequisite requirements	Highly Recommended Courses These courses may also be required by some schools
<u>Biology</u> BIOL 130: Diversity of Life BIOL 131: Genetics, Evolution & Ecology *BIOL 232: Molecular and Cellular Biology	BIOL 342: Molecular Genetics BIOL 344: Cell Biology CHEM 336B: Organic Chemistry Lab CHEM 446: Metabolic Biochemistry PSY 250: Introduction to Psychology
<u>Chemistry</u> CHEM 115A & B: General Chemistry CHEM 335A & B: Organic Chemistry CHEM 336A: Organic Chemistry Lab	Other Suggested Courses These courses cover additional topics that are important for the MCAT
<u>Physics</u> PHYS 210A & B: General Physics PHYS 209A & B: General Physics Lab	BIOL 328: Vertebrate Evolutionary Morphology BIOL 343: Stem Cell Biology BIOL 346: Neurobiology BIOL 349: Animal Physiology BIOL 380: Genetic Basis of Human Diseases BIOL 472: Developmental Biology BIOL 480: Immunology CHEM 445: Structural Biochemistry
<u>Math</u> MATH 165: Statistics MATH 161: Calculus	
<u>English</u> ENGL 101: Expository Writing and Reading ENGL 314: Modern World Literature in English	

ADDITIONAL NOTES:

*Most medical school require 2 semesters of biology, however the most critical course at SSU for pre-med students is BIOL 232, which requires BIOL130 &131 as prerequisites. Therefore, most students should take all 3 courses.

Students are strongly encouraged to take courses from the "Recommended" and "Suggested" list (right column). Please note that some of the courses listed above, especially 300 and 400 level science courses, may have other prerequisites.

For information about the medical school application process, visit <https://students-residents.aamc.org>.

The **Medical College Admissions Test (MCAT)** is required by all US and Canadian medical schools. For information about the MCAT, visit: <https://students-residents.aamc.org/taking-mcat-exam/take-mcat-exam>

For prerequisite information for specific schools, visit: <https://students-residents.aamc.org/medical-school-admission-requirements/required-premedical-coursework-and-competencies>

For information about the SSU Health Professions Advisory Program, visit: <https://stb.sonoma.edu/hpap>

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