



PRE-MEDICINE

Pre-Professional Health Sciences Program

Though medical school requirements vary between schools, the following list encompasses most course requirements prior to matriculation. When you are applying to a particular school, make sure you have completed or will complete the school's particular set of required courses prior to graduation. Please note that AP credit may not satisfy many of these requirements.

REQUIRED COURSES

Course #	Course Description	Credits
BIOL 225	Molecules, Genes, and Cells	4
BIOL 245	Animal Form & Function	4
BIOCH 376	Foundational Biochemistry	3
BIOL 447	Advanced Human Physiology	4
BIOL 479	Laboratory Research	1-3
CHEM 223/224	General Chemistry I and II	8
CHEM 315/316	Organic Chemistry I and II	8
PHYS 252/253	University Physics I	4
PHYS 262/263	University Physics II	4
MATH 185	Calculus I	4
STAT 220	Inferential Statistics	2
PSYC 101	General Psychology	3
PSYC 342	Cognitive Psychology for the Health Sciences	3
SOC 201	Sociology of Health	3
Total credits		55-57

Though not required, the following courses have been found beneficial while in medical school.

Course #	Course Description	Credits
BIOCH 398	Advanced Cell Biology	3
BIOCH 438	Molecular Genetics	3
BIOL 307	Developmental Biology	4
BIOL 327	Advanced Microbiology	3
BIOL 337	Immunology	3
BIOL 437	Advanced Human Anatomy	4
BIOL 478	Advanced Neurobiology	3
BIOL 485	Faith, Science & Ethics	2
CHEM 325	Analytical Chemistry	2

BE WELL PREPARED AT EMU FOR MEDICAL SCHOOL WITH:

- ▶ **MCAT prep course**
- ▶ **Real-world research**
- ▶ **Clinical experience/job shadowing**
- ▶ **Faculty mentoring**
- ▶ **Mock interview**