

## Medical School Prerequisites

**Name:** \_\_\_\_\_ **Major:** \_\_\_\_\_

**ID:** \_\_\_\_\_ **Primary Advisor:** \_\_\_\_\_

This table includes common pre-requisites for medical schools. Recommended courses are shaded in gray (some med schools may require them). \*Highly Recommended for MCAT preparation. Because requirements may vary by school, applicants should consult the websites of the medical schools where they plan to apply. The UCORE category of a course appears in brackets [ ].

Course	CR	SEM /YR	GRADE	Course	CR	SEM /YR	GRADE
BIOL 106 Introductory Biology: Organismal (includes lab) [BSCI]	4			STAT 212 Intro to Statistical Methods (with lab) <b>OR</b> PSYCH 311 Elementary Stats [QUAN]	4		
BIOL 107 Introductory Biology: Cell (includes lab) [BSCI]	4			BIOL 315 Gross and Microanatomy* (with lab)	4		
CHEM 105 Principles of Chemistry I (includes lab) [PSCI]	4			BIOL 353 Advanced Human Physiology* (with lab) <b>OR</b> NEURO 325 Med. Physiology*- lecture (3cr) & NEURO 326-Lab* (1cr) (Neuro Majors; others can take as well)	4	3+1	
CHEM 106 Principles of Chemistry II (includes lab) <b>OR</b> CHEM 116 [Honors]	4			PHYS 101 General Physics I (lecture) & PHYS 111 (lab) <b>OR</b> [PHYS 201- lecture & PHYS 211- lab] [PSCI]	3+1		
CHEM 345 Organic Chemistry I (includes lab)	4			PHYS 102 General Physics II (lecture) & PHYS 112 (lab) <b>OR</b> [PHYS 202- lecture & PHYS 212- lab]	3+1		
CHEM 348 Organic Chemistry II (includes lab)	4			MBIOS 401 Cell Biology (SMB Majors) <b>OR</b> BIOL 352 Cell (SBS Majors)	3		
BIOL 301 <b>OR</b> MBIOS 301 General Genetics*	4			ENGL 101 Composition <b>OR</b> ENGL 298 [Honors] [WRTG]	3		
MBIOS 303 Introductory Biochemistry	4			A second ENGL writing course (e.g., ENGL 201 Writing and Research [if you did not take ENGL 298] <b>OR</b> ENGL 301 <b>OR</b> ENGL 402 Technical/Profess. Writing) [WRTG]	3		
MBIOS 304 Micro and Molecular Biol Lab	3			PHIL 365 Biomedical Ethics (important for interviewing, particularly with MMIs & a situational judgment test like CASPER) [HUM]	3		
MBIOS 305 General Microbiology - lecture	3						
MATH 140 Calculus for Life Scientists <b>OR</b> MATH 171 Calculus I [QUAN]	4			PSYCH 105 Intro to Psychology* <b>AND</b> SOC 101* Intro to Sociology [SSCI]	3	3	

**Be aware that not all med schools accept: (1) AP credit and may require college-level credits, or (2) online science courses to meet prerequisites. Check the websites of the schools and/or the MSAR <https://mec.aamc.org/msar-ui/#/landing>**

<b>Cumulative GPA's</b>	F 20__	F 20__	F 20__	F 20__	F 20__	
	S 20__	S 20__	S 20__	S 20__	S 20__	

**To-Do List:**

**Medical admissions committees will consider:**

**GPA:** 3.5 + higher

**MCAT Scores:** Test is made up of 4 sections (Biology/Biochem, Chem/Physics, Analysis and Reasoning, Psych/Soc) scored between 118-132. Total ranging from 472-528. You want to get 509 to be in the top 75<sup>th</sup> percentile to be competitive for a large range of schools.

**Letters of Evaluation:** 2 from science professors, 1 from an additional professor, 1-2 from physicians, 1 from a professional supervisor who knows you well. Each should write about your integrity, judgement, ethics, reliability, strengths and weaknesses.

**Experience:** Significant time spent volunteering in medical and non-medical settings, shadowing physicians, leadership experience and research.

**Evidence of Core Competencies:** Medical schools are looking for applicants that exhibit ethical responsibility, capacity for improvement, cultural competence, teamwork, and excellent communication and critical thinking skills.

**Personal statement:** Your opportunity to make a case as to why you are the best candidate. Incorporate why you want to be a physician, steps you have taken to accomplish this goal (reflection), provide background information, explain special situations, and describe where you see yourself in the future.

**The personal interview:** Evaluation of students may include the Multiple Mini Interview (MMI), several 30-60 minute personal interviews to assess the applicant's maturity, motivation, communication and critical thinking skills, knowledge of ethics and desire to contribute to society through medicine, and/or virtual interviews using various platforms (e.g., Casper or Preview) .