

## Pre-Medical Coursework Recommendations

Premedical students planning on taking the MCAT after the 3rd year should complete (at minimum) the following courses by the end of the 3rd year: CHM 115 (Chemical Analysis), 223/224 (Organic Chemistry) 230 (Inorganic Chemistry); BCM 321 (Biochemistry); BIO 121 (Foundations of Biology); PHY 112/113 (Physics of the Human Body) or 121/122 (Introduction to Physics, and required prerequisite mathematics), MTH 116/118 (Statistics/Biostatistics); IPH 227 or BIO 207 (Physiology); PSY 120 (Foundations of Psychology); SOC 101 (Principles of Sociology). Additional upper-level BIO is strongly recommended, such as BIO 221 (Cell Biology), 204 (Genetics) or 308 (Microbiology).

- Getting on track with Chemistry (CHM 115 in the Fall of the 1st year) is the most important choice to make so that BCM 321 can be taken in the Fall of year 3 (in preparation for the MCAT).
- BIO 121 should be taken in the first year since it is a prerequisite for many courses.
- Physics can be taken in year 2 or year 3. Get your MTH prerequisites done before physics begins. PHY 112/113 requires MTH 112 (Pre-calculus), 113 (Applied Calculus), 121 (Calculus 1), or permission. PHY 121/122 requires MTH 113 or 121 (can be taken concurrently).
- BIO 221 is highly recommended to strengthen your biology knowledge base prior to taking the MCAT, however BIO 204 and/or BIO 308 may also be considerations.
- Anatomy (IPH 344) provides good preparation for the anatomy course taught in medical schools, but is not a required component for MCAT preparation; thus it can be taken in year 4.
- Some courses are offered in both Fall and Winter terms, so there is some flexibility in scheduling that your advisor

Your four year schedule will depend on many factors, including your math preparedness, whether you will be taking the MCAT after your 3rd or 4th year, changes in course/section offerings... Consult your advisor and/or a member of the pre-health professions committee to help you develop your personalized plan.

### Example four year schedule

	Fall	Winter
Year 1	CHM 115	CHM 223
	BIO 121	MTH
Year 2	CHM 224	CHM 230
	PHY 112/121	PHY 113/122
		BIO 221
Year 3	BCM 321	MTH 118
	PSY/SOC	PSY/SOC
Year 4	IPH 344	

### Course offerings and number of course sections for 2020-2021 (in parentheses)

Fall	Winter
CHM 115 (4)	CHM 223 (3)
CHM 224 (2)	CHM 230 (2)
BCM 321 (1)	
BIO 121 (3)	BIO 121 (2)
BIO 308 (1)	BIO 221 (1)
	BIO 204 (1)
	BIO 207 (1)
IPH 227 (2)	IPH 227 (1)
IPH 344 (1)	IPH 344 (1)
MTH 116 (4)	MTH 116 (2)
	MTH 118 (1)
PHY 112 (2)	PHY 113 (2)
PHY 121 (2)	PHY 122 (1)
PSY 120 (2)	PSY 120 (2)
SOC 101 (4)	SOC 101 (3)

### Math prerequisites / cognates

Fall	Winter
MTH 112 (2)	MTH 112 (1)
MTH 121 (3)	MTH 121 (1)
MTH 122 (1)	MTH 122 (2)