

# Preparing for Medical School: Coursework

## Mapping Your Coursework and Preparation

We recommend that you first go to your college's advisement center for an outline of classes required for your major. The Preprofessional Advisement Center will then be able to assist you in planning out specific prerequisite courses and other premedical preparation.

Below is a list of BYU coursework that, generally, fulfills prerequisites for most medical schools. This is not a comprehensive list, we strongly encourage you to utilize our office services to help you, as well as consulting with the AAMC, AACOM, and TMDSAS guides to medical schools. (available in our office, on course reserve at BYU's Library, or for purchase online) and with individual schools' websites for specific requirements. (Most medical schools will not accept high school AP credits to meet science prerequisites.)

## Courses Required for Medical Schools & Recommended for MCAT Preparation

### *General Chemistry*

CHEM 105	General College Chemistry I	4 credits
CHEM 106	General College Chemistry II	3 credits
CHEM 107	General College Chemistry Lab	1 credit
	(CHEM 111, 112, & 113 if required by your major)	

### *Organic Chemistry*

CHEM 351	Organic Chemistry I	3 credits
CHEM 352	Organic Chemistry II	3 credits
CHEM 353	Organic Chemistry Lab	2 credits
	(CHEM 354, if required by your major)	

### *Biochemistry*

CHEM 481	Biochemistry	3 credits
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### *Biology*

PDBIO 120	Science of Biology	3 credits
	<i>Or</i>	
MMBIO 121 & 122	General Biology & Lab	3 credits
	(BIO 130, if required by your major)	
MMBIO 240 & 241	Molecular Biology & Lab	3 credits, 1 credit
	<i>Or</i>	
MMBIO 221 & 222	Microbiology & Lab	3 credits, 1 credit
PD BIO 305	Physiology	4 credits
	(PDBIO 362, 363, if required by your major or need a physiology lab credit)	
PWS 340	Genetics	3 credits

### *Physics*

PHSCS 105	General Physics I	3 credits
PHSCS 107	General Physics Lab I	1 credit
	(PHSCS 121, if required by your major)	
PHSCS 106	General Physics II	3 credits
PHSCS 108	General Physics Lab II	1 credit
	(PHSCS 123, if required by your major)	

\*For students taking PHSCS 121 and 123, we recommend PHSCS 220 to help you prepare for the MCAT, but the material can also be studied on your own.

### *Social and Behavioral Sciences*

PSYCH 111	General Psychology	3 credits
SOC 111	Introductory Sociology	3 credits

## Courses Required Before Medical School Matriculation

*English* (at least two classes, usually fulfilled by your major and GE requirements, consult the schools you are planning on applying to and/or the official medical school guides)

*Math* (requirements vary, consult the schools you are planning on applying to and/or the official medical school guides)

*Humanities/Social Sciences* (requirements vary, consult the schools you are planning on applying to and/or official medical school guides)

## Helpful Premedical Classes

*STDEV 170: Intro to Health Professions* 1 credit  
Seminar style overview of health careers with a variety of guest lecturers (medical doctor, dentist, physician assistant, pharmacist, physical therapist, etc.)

*STDEV 272: Preview of Medicine* 1 credit  
Seminar style overview of the medical profession with lectures from prehealth advisors, local medical professionals, and medical school admissions officers.

*STDEV 399R Health Professions Internship* 1-3 credits  
Students are invited to set up shadowing experiences with different physicians and receive course credit for the experience.

*STDEV 470: Medical and Dental School Application* 2 credits  
For premedical and pre dental students, provides an overview of the application process.

*BIO 370: Bioethics* 2 credits  
Discussion of major ethical theories and their application to current issues in medicine and biology.