

Preparing for Medical School: Coursework

Below is a list of BYU coursework that, generally fulfills prerequisites for many medical schools. This is not a comprehensive list.

Plan to attend Pre-Health 101 and Pre-Health 201 workshops to determine how to navigate the prerequisite complexity.

COURSES RECOMMENDED FOR MCAT PREPARATION & MEDICAL SCHOOL

CHEMISTRY

CHEM 105: General College Chemistry I (includes lab)	4.0 hrs
CHEM 106 & 107: General College Chemistry II & Lab (CHEM 111, 112, & 113, if required by your major)	3.0, 1.0 hrs
CHEM 351: Organic Chemistry I	3.0 hrs
CHEM 352 & 353: Organic Chemistry II & Lab (CHEM 354, if required by your major)	3.0, 2.0 hrs
CHEM 481: Biochemistry	3.0 hrs

BIOLOGY

Some programs want General Biology I & General Biology II (w/labs), BYU's equivalent is one of the following options:

General Biology I options:

CELL 120: Science of Biology (may need MMBIO 122) 3.0, 1.0 hrs

or

MMBIO 121: General Biology: Health & Disease (may need MMBIO 122) 3.0, 1.0 hrs

or

BIO 130: Biology (includes lab) 4.0 hrs

General Biology II options:

MMBIO 240 & 241: Molecular Biology & Lab (preferred) 3.0, 1.0 hrs

and/or

MMBIO 221 & 222: General Microbiology & Lab 3.0, 1.0 hrs

(MMBIO 151, if required by your major)

CELL 220: Human Anatomy (includes lab) 4.0 hrs

CELL 305: Human Physiology 4.0 hrs

or

CELL 362: Advanced Physiology 3.0 hrs

PHYSICS

PHSCS 105 & 107: General Physics I & Lab	3.0, 1.0 hrs
PHSCS 106 & 108: General Physics II & Lab (PHSCS 121, 123, if required by your major)	3.0, 1.0 hrs
*For students taking PHSCS 121 and 123, we recommend also taking PHSCS 220	

OTHER

PWS 340: Genetics	3.0 hrs
or	
PWS 275: Genetics and Reproduction	3.0 hrs
PSYCH 111: Introduction to Psychological Science	3.0 hrs
SOC 111: Introductory Sociology	3.0 hrs
STAT 121: Introduction to Statistical Data Analysis	3.0 hrs

COURSES REQUIRED BEFORE MEDICAL SCHOOL MATRICULATION

English: Typically at least two classes, review you individual school's requirements.

Math: Requirements vary, review your individual school's requirements.

Humanities/Social Sciences: Requirements vary, review your individual school's requirements.

HELPFUL PRE-MEDICAL CLASSES

STDEV 170: Intro to Health Professions	1.0 hrs
Overview of health professions: medical, dental, and other specialties. Primary focus on guest lectures from various practitioners and clinicians.	
STDEV 272: Preview of Medicine	1.0 hrs
Preview of medical practice with lectures by doctors; overview of required courses; application process; recommended extracurricular opportunities.	
STDEV 470: Health Professions Application	2.0 hrs
Preparation for health professional school applications including medicine, dentistry, physical therapy, physician assistant, etc.; entire application process, including school identification and submission.	
STDEV 214R: Special Topics	1.0 hrs
Survey or introductory courses on various student development topics related to academic skills, career exploration and development, or mental health.	
NURS 505: IPE for Health Professions	1.0 hrs
The acquisition of knowledge of interprofessional education (IPE) and teamwork in the health professions. IPE will be explored from the perspectives of roles and responsibilities for collaborative practice.	
SOC 329: Medical Sociology	3.0 hrs
Social epidemiology, the sick role, sociocultural definitions of and responses to illness, and the organization of medical-health delivery systems.	
BIO 370: Bioethics	2.0 hrs
In-depth lecture and small group discussion of varied bioethical issues.	
PHIL 212R: Introduction to Medical Ethics	3.0 hrs
Exploration of key questions in medical ethics. Equips students to understand, evaluate, and effectively respond to arguments that seek to answer these questions as they formulate their own conclusions.	