

# Preparing for Pharmacy School: Coursework

Below is a list of BYU coursework that, generally fulfills prerequisites for many pharmacy 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.

## SAMPLE COURSES THAT MAY FULFILL PREREQUISITE COURSEWORK

### 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	3.0 hrs
CHEM 352 & 353: Organic Chemistry II & Lab (CHEM 354, if required by major)	3.0, 2.0 hrs
CHEM 481: Biochemistry	3.0 hrs

### BIOLOGY

CELL 120: Science of Biology (may need MMBIO 122)	3.0, 1.0 hrs
<b>or</b>	
MMBIO 121: General Biology (may need MMBIO 122)	3.0, 1.0 hrs
<b>or</b>	
BIO 130: Biology (includes lab)	4.0 hrs
MMBIO 221: General Microbiology (may need MMBIO 222)	3.0, 1.0 hrs

### PHYSICS

PHSCS 105 & 107: General Physics I & Lab	3.0, 1.0 hrs
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### ANATOMY & PHYSIOLOGY

CELL 220: Human Anatomy (includes lab)	4.0 hrs
CELL 305: Human Physiology (may need CELL 363)	4.0, 1.0 hrs
<b>or</b>	
CELL 362: Advanced Physiology (may need CELL 363)	3.0, 1.0 hrs

### MATH

MATH 112: Calculus I	4.0 hrs
<b>and/or</b>	
STAT 121: Introduction to Statistical Data Analysis	3.0 hrs

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## COURSES REQUIRED BEFORE PHARMACY SCHOOL MATRICULATION

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

### HELPFUL PRE-PHARMACY 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 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.	
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.	