

## ACADEMIC ROADMAP

Medical / Osteopathic Programs (Preparing for the MCAT)  
Fall 2022

### Freshman Year (30 credits)

#### FIRST SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Foundations of Biology	BIO 111	
Introductory Chemistry <u>or</u> Functions and Modeling	CHE 110 <u>or</u> MAT 114 However <span style="color: blue;">→</span>	If Math SAT > 480 or High School GPA > 83% may go directly to CHE 111/113
Intellectual Foundations course	PSY 101 (IF Social Science)	
College Writing I	CWP 101	
Major course (if not BIOLOGY)	By advisement	

#### SECOND SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Introductory Biology Series	BIO 211 or 213	BIO 111 ("C" or better)
Fundamentals of Chemistry I + lab <u>or</u> Fundamentals of Chemistry II + lab	CHE 111/113 <u>or</u> 112/114	CHE 110 <u>or</u> MAT 114 <u>or</u> CHE 111/113
Intellectual Foundations course	EXE 100 (IF Diversity)	
College Writing II	CWP 102	CWP 101
Introduction to Psychology	PSY 101 (IF Social Science)	

**Notes and recommendations:** Meet with the pre-health advisor regularly. Check your intended medical schools for [math and other requirements](#).

### Sophomore Year (60 credits)

#### THIRD SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Introductory Biology Series	BIO 211 or 213	BIO 111 ("C" or better)
Fundamentals of Chemistry II w/ lab	CHE 112/114	CHE 111/113
Intellectual Foundations course		
Major course	By advisement	

#### FOURTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
General Microbiology	BIO 316 (Spring only)	BIO 211, 213, CHE 111/113
Organic Chemistry I with lab	CHE 201/203	CHE 201/203
Major course	By advisement	

**Notes and recommendations:** Form a study group; consider enrolling in a minor or certificate program. You may need Applied Calculus I (MAT 126) (pre-requisites are MAT 114 and MAT 124) and Applied Calculus II (MAT 127) Some programs prefer statistics: MAT 311  
Look at the MCAT exam, AMCAS and ACCOMAS

**Junior Year (90 credits)**

## FIFTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Organic Chemistry II with lab	CHE 202/204	CHE 201/203
College Physics I (Algebra based) <b>or</b> University Physics I (Calculus based)	PSY 107 <b>or</b> PHY 111	
Developmental Psychology	PSY 355	PSY 101 ("C" or better)

## SIXTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Genetics	BIO 303 (Fall only)	BIO 111, 211, 213, CHE 111/113, 112/114
College Physics II <b>or</b> University Physics	PHY 108 <b>or</b> PHY 112	PHY 107 PHY 111

**Notes and recommendations:** Visit the Career Development Center; talk to your faculty advisor about graduate school options. Prepare for the MCAT

**Senior Year (120 credits)**

## SEVENTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Biochemistry	CHE 470 (fall only)	BIO 211, CHE 202

## EIGHTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)