

## ACADEMIC ROADMAP

Veterinary Programs (preparing for the MCAT or GRE)  
Fall 2022

### Freshman Year (30 credits)

#### FIRST SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Foundations of Biology	BIO 111	
Introductory Chemistry or Functions and Modeling	CHE 110	If Math SAT > 480 or High School GPA > 83% may go directly to CHE 111/113
Ethics for Scientists	PHI 111 (IF Humanities)	
Functions & Modeling	MAT 114	Note: preparing for calculus
College Writing I	CWP 101	

#### SECOND SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Introductory Biology Series	BIO 211 or BIO 213	BIO 111 ("C" or better)
Fundamentals of Chemistry I + lab	CHE 111/113 or 112/114	CHE 110 or MAT 114 or CHE 111/113
Introduction to Psychology	PSY 101 (IF Social Science)	
Functions & Modeling II	MAT 124	MAT 114
College Writing II	CWP 102	CWP 101

### Notes and recommendations:

Meet with the pre-health advisor regularly. Check your intended veterinary schools for math and other requirements. Generally, calculus (MAT 126) is required the pre-requisites are MAT 114 and 124. MAT 126 is a pre-requisite for MAT 127 (applied calculus II)

### Sophomore Year (60 credits)

#### THIRD SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Introductory Biology Series	BIO 211 or BIO 213	BIO 111 ("C" or better)
Fundamentals of Chemistry II + lab or Organic Chemistry I + lab	CHE 112/114 or CHE 201/203	CHE 111/113 or CHE 112/114
Applied Calculus I	MAT 126	MAT 124
Intellectual Foundations course		

#### FOURTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Microbiology (spring only)	BIO 316 (Spring only)	BIO 211 & 213; CHE 111/113
Organic Chemistry I + lab or Organic Chemistry II + lab	CHE 201/203 or CHE 202/204	CHE 112/114 or CHE 201/203
Applied Calculus II	MAT 127	MAT 126
Intellectual Foundations course		

**Notes and recommendations:** Look at the MCAT / GRE, continue meeting with pre-health advisor, investigate summer research, shadowing or animal care experiences.

**Junior Year (90 credits)**

## FIFTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Organic Chemistry II + lab or Biochemistry (fall only)	CHE 202/204 or CHE 470	CHE 201/203 CHE 202/204 NOTE: Following sequence
College Physics I	PHY 107	
Developmental Psychology	PSY 355	PSY 101
All College elective		
All College elective		

## SIXTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
College Physics II	PHY 108	PHY 107
Biology upper-division elective	By advisement	
Biology upper division	By advisement	
All College elective		

**Notes and recommendations:**

Visit the Career Development Center; Continue meeting with advisors about progress toward veterinary school. Investigate summer, shadowing and research opportunities.

**Senior Year (120 credits)**

## SEVENTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Biochemistry If not taken previously	CHE 470	CHE 202/204
All College elective		
All College elective		

## EIGHTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Biology upper-division elective	By advisement	
All College elective		
All College elective		

**Notes and recommendations:** Veterinary programs require extensive animal care exposure within various settings.