

**ACADEMIC ROADMAP****Veterinary Programs**

Preparing for the GRE or possible MCAT

**Freshman Year**

<b>FIRST SEMESTER</b>		
<b>Course Title</b>	<b>Catalog Number</b>	<b>Prerequisite(s)</b>
Principles of Biology	BIO 111	
Fundamentals of Chemistry I + lab	CHE 111/113	HS Math competency
Major course		
General Education course	PSY 101	
College Writing I	CWP 101	

<b>SECOND SEMESTER</b>		
<b>Course Title</b>	<b>Catalog Number</b>	<b>Prerequisite(s)</b>
Introductory Biology Series	BIO 211 or 213	BIO 111 (C or better)
Fundamentals of Chemistry I + lab or Fundamentals of Chemistry II + lab	CHE 111/113 or CHE 112/114	HS Math competency or CHE 111/113
Major course		
General Education course(s)		
College Writing II	CWP 102	

Notes: Follow the Chemistry sequence through Biochemistry: CHE 470 (taught only in fall).

Mathematics: Statistics: MAT 311.

If calculus is required by your program - Applied Calculus: MAT 126 (pre-requisites are MAT 114 and MAT 124).

**Sophomore Year**

<b>THIRD SEMESTER</b>		
<b>Course Title</b>	<b>Catalog Number</b>	<b>Prerequisite(s)</b>
Introductory Biology Series	BIO 211 or 213	BIO 111 (C or better)
Fundamentals of Chemistry II + lab or Organic Chemistry 1+ Lab	CHE 112/114 or CHE 201/203	CHE 111/113 or CHE 112/114
Major Course(s)		
General Education course(s)		
By advisement		

<b>FOURTH SEMESTER</b>		
<b>Course Title</b>	<b>Catalog Number</b>	<b>Prerequisite(s)</b>
Microbiology	BIO 316	BIO 211, 213 and CHE 111/113
Organic Chemistry 1 + Lab or Organic Chemistry 2 + Lab	CHE 201/203 or CHE 202/204	CHE 112/114 or CHE 201/203
Major course(s)		
General education		
By advisement		

Notes:

### Junior Year

FIFTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
Organic Chemistry II + lab or Biochemistry	CHE 202/204 or CHE 470	
College Physics I or University Physics II	PHY 107 or PHY 111	Algebra based Or Calculus
Major course (s)		
General Education		
By advisement		

SIXTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
Genetics	BIO 303	BIO 111 (C), BIO 211, 213, CHE 111/113, CHE 112/114
College Physics II or University Physics II	PHY 108 or PHY 112	PHY 107 or PHY 111
Major course(s)		
General Education		
By advisement		

Notes:

### Senior Year

SEVENTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
Biochemistry (in not taken already)	CHE 470	

EIGHTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)

Directory of veterinary schools: <https://applytovetschool.org/>