

**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**

<b>FIFTH SEMESTER</b>		
<b>Course Title</b>	<b>Catalog Number</b>	<b>Prerequisite(s)</b>
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		

<b>SIXTH SEMESTER</b>		
<b>Course Title</b>	<b>Catalog Number</b>	<b>Prerequisite(s)</b>
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**

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

<b>EIGHTH SEMESTER</b>		
<b>Course Title</b>	<b>Catalog Number</b>	<b>Prerequisite(s)</b>

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