

# Advising Course Plan - Biology Major - Veterinary School Interest

This plan indicates an effective way to earn a Bachelor of Science degree in Biology and to complete the prerequisites for most veterinary programs (although these can differ depending on the vet school).

## First Year

		Units
<b>Fall</b>		
BIOL 142P	Introductory Biology II: Animal and Plant Physiology	1
FSEM 100	First Year Seminar	1
MATH 130 <sup>1</sup>	Calculus I with Review Part I	1
General Education requirement		1
Term Units		4
<b>Spring</b>		
BIOL 141P	Introductory Biology I: Biochemistry, Cell Biology and Molecular Genetics	1
General Education requirement		1
General Education requirement		1
General Education requirement		1
Term Units		4

## Second Year

<b>Fall</b>		
BIOL 243Q	Biostatistics	1
CHEM 141P	General Chemistry I	1
PHYS 121P <sup>2</sup>	College Physics I	1
Elective		1
Term Units		4
<b>Spring</b>		
BIOL 244	Introductory Biology III: Ecology and Evolution	1
CHEM 142P	General Chemistry II	1
PHYS 122P <sup>2</sup>	College Physics II	1
Elective		1
Term Units		4

## Third Year

<b>Fall</b>		
BIOL 301	Microbiology	1
CHEM 201	Organic Chemistry I	1
Junior Seminar <sup>3</sup>		1
Elective		1
Term Units		4
<b>Spring</b>		
BIOL 300 or 400 level course		1
CHEM 301	Organic Chemistry II	1
BIOL 497	Research Proposal	0.5
CHEM 204 <sup>4</sup>	Biochemistry I	1
Elective <sup>5</sup>		.5
Term Units		4

## Summer

During the summer between third and fourth year, or early in fourth year, the GRE needs to be taken.

Term Units		0
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## Fourth Year

<b>Fall</b>		
BIOL 300 or 400 level course		1
BIOL 498	Senior Project I	1
Elective		1
Elective		1
Term Units		4
<b>Spring</b>		
BIOL 300 or 400 level course		1

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BIOL 499	Senior Project II	0.5 to 1
Elective		1
Elective		1
Term Units		3.5 to 4

Total Unit: 31.5 to 32

- 1 Most veterinary programs require two semesters of Math, typically a statistics and a calculus course. BIOL 243Q may count as the statistics course but the veterinary programs should be consulted. The timing of the Math course(s) is not critical; it/they can be taken at a later time. Some students may place into, and wish to take, MATH 141Q.
- 2 The Physics courses can be taken in the third year.
- 3 The Junior Seminar can be taken in the spring instead of the fall.
- 4 CHEM 204 can be taken in fourth year.
- 5 During the spring of the third or fourth year, you will need to take another 0.5 or 1 unit course to average 4 units per semester.