

# Advising Course Plan - Molecular and Cellular Biology Major - Veterinary School Interest

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

First Year		
<b>Fall</b>		
BIOL 100	Becoming a Stetson Biologist	0.0
FSEM 100	First Year Seminar	1
BIOL 141P	Introductory Biology: Biochemistry, Cell Biology and Molecular Genetics	1
General Education requirement		1
General Education requirement		1
<b>Term Units</b>		<b>4</b>
<b>Spring</b>		
BIOL 142P	Introductory Biology: Animal and Plant Physiology	1
General Education requirement		1
General Education requirement		1
General Education requirement		1
<b>Term Units</b>		<b>4</b>
<b>Second Year</b>		
<b>Fall</b>		
BIOL 243Q	Biostatistics	1
CHEM 141P <sup>+</sup>	General Chemistry I	1
MATH 130 <sup>1</sup>	Calculus I with Review Part I	1
PHYS 121P	College Physics I	1
<b>Term Units</b>		<b>4</b>
<b>Spring</b>		
BIOL 300 <sup>5</sup>	Molecular Biology and Biotechnology	1
CHEM 142P	General Chemistry II	1
MATH 131Q	Calculus I with Review Part 2	1
PHYS 122P	College Physics II	1
<b>Term Units</b>		<b>4</b>
<b>Third Year</b>		
<b>Fall</b>		
BIOL 302 <sup>2</sup>	Genetics	1
CHEM 201	Organic Chemistry I	1
Junior Seminar <sup>3</sup>		1
Elective		1
<b>Term Units</b>		<b>4</b>
<b>Spring</b>		
BIOL 497	Research Proposal	0.5
CHEM 301	Organic Chemistry II	1
CHEM 204 <sup>4, *</sup>	Biochemistry I	1
Elective		1
Elective		1
<b>Term Units</b>		<b>4.5</b>
<b>Summer</b>		

During the summer between Third Year and Fourth Year or early in year 4, the GRE needs to be taken.

Fourth Year		
<b>Fall</b>		
BIOL 301 <sup>2</sup>	Microbiology	1
BIOL 498	Senior Project I	1
Elective		1
Elective		1
<b>Term Units</b>		<b>4</b>
<b>Spring</b>		
BIOL 499	Senior Project II	1
BIOL 300 or 400 level course <sup>6</sup>		1
Elective		1
Elective		1
<b>Term Units</b>		<b>4</b>

**Total Unit: 32.5**

- <sup>1</sup> The timing of the Math course is not critical; it can be taken at a later time. Some students may place into, and wish to take, MATH 141Q or MATH 151 instead of MATH 130 and MATH 131Q.
- <sup>2</sup> BIOL 300- or 400-level course can be taken in any order.
- <sup>3</sup> The Junior Seminar can be taken in the spring instead of the fall.
- <sup>4</sup> CHEM 204 can be taken in year 4.
- <sup>5</sup> BIOL 300 can be taken in year 3.
- <sup>6</sup> Other recommended upper division courses include: BIOL 301, BIOL 314, BIOL 315, BIOL 425, BIOL 401, BIOL 409, BIOL 410, BIOL 415.
- + Students can concurrently take BIOL 141P with CHEM 141P and/ or BIOL 142P with CHEM 142P. However, student must obtain additional academic advising and get permission from their academic advisor before enrolling in both courses.
- \* Two core courses are required for the MCB major (Core course options: BIOL 302, BIOL 425, and CHEM 204).