

# Davis & Elkins College™

## Department of Biology & Environmental Science BS Four-Year Degree Plan (Biology- Pre-veterinary Specialization)

This is a model four-year graduation plan. Your path to graduation may vary based on factors such as college credit you earned while in high school, your choice of general education electives, availability of courses, and your placement in English and mathematics.

This degree program can be completed in eight semesters. Check out the [course rotations](#) before scheduling your classes. Visit with your adviser to develop a plan that is right for you.

### Year 1

Fall		Spring	
Course	Credits	Course	Credits
BIOL 101 Principles of Biology I	4	BIOL 102 Principles of Biology II	4
MATH 193 College Algebra	3	MATH 195 Precalculus	4
GES 105 First Year Seminar	3	Gen Ed	3
Gen Eds (ENGL 101A College Writing I recommended)	6	SPSC 102 Wellness Education	1
		SPSC activity	1
<b>Total</b>	<b>16</b>		<b>15</b>

### Year 2

Fall		Spring	
Course	Credits	Course	Credits
BIOL 205 Genetics	4	BIOL 302 Cell and Molecular Biology or or pre-vet elective (BIOL 309 Comparative Vertebrate Anatomy or BIOL 220 Intro to Neuroscience)	4
CHEM 120 Fundamentals of Chemistry I	3	CHEM 122 Fundamentals of Chemistry II	3
CHEM 121 Chemical Lab Principles I	1	CHEM 123 Chemical Lab Principles II	1
Gen Ed	3	Gen Ed (ENGL 102A recommended)	3
BIOL pre-vet elective (BIOL 208A Microbiology or BIOL 218 Functional Histology or BIOL 232 Vertebrate Physiology or BIOL 212 Zoology or BIOL 310 Developmental Biology)	4	MATH 196 Calculus	4
		BIOL 297 Biology Forum	1
<b>Total</b>	<b>15</b>		<b>16</b>

### Year 3

Fall		Spring	
Course	Credits	Course	Credits
CHEM 205 Organic Chemistry I	3	CHEM 207 Organic Chemistry II	3
CHEM 206 Organic Chemistry Lab I	1	CHEM 208 Organic Chemistry Lab II	1
BIOL pre-vet elective (BIOL 208A Microbiology or BIOL 218 Functional Histology or BIOL 232 Vertebrate Physiology or BIOL 212 Zoology or BIOL 310 Developmental Biology)	4 or 8	BIOL 305 Evolution and/or pre-vet elective (BIOL 309 Comparative Vertebrate Anatomy or BIOL 220 Intro to Neuroscience or BIOL 307 Animal Behavior) and/or CHEM 304 Biochemistry	3-8
Gen Ed	3-6	Gen Ed	3
MATH 180 Statistics (recommended)	3	BIOL 335 Current Topics in Biology	1
<b>Total</b>	<b>15-18</b>		<b>15-16</b>

### Year 4

Fall		Spring	
Course	Credits	Course	Credits
PHYS 221 Fundamentals of Physics I or 251 Physics I	4	PHYS 222 Fundamentals of Physics II or 252 Physics II	4
BIOL pre-vet elective (BIOL 208A Microbiology or BIOL 218 Functional Histology or BIOL 232 Vertebrate Physiology or BIOL 212 Zoology or BIOL 310 Developmental Biology)	4 or 8	BIOL 305 Evolution and/or pre-vet elective (BIOL 309 Comparative Vertebrate Anatomy or BIOL 220 Intro to Neuroscience or BIOL 307 Animal Behavior) and/or CHEM 304 Biochemistry	3-8
Gen Ed or general electives	3-6	BIOL 498 Senior Seminar	1
		Gen Ed or general elective	3
<b>Total</b>	<b>15-18</b>		<b>16</b>

### Notes:

**This plan is not a contract curriculum and can change.**

Some schools require MATH 180 Statistics and/or CHEM 304 Biochemistry.

Pre-veterinary students should plan to take the GRE late in the spring of their junior year. VMCAS applications are typically due Sept. 15 for the following year. If you wish to attend vet school immediately after graduation, begin the application process the summer after your third year. You will need to have letters of recommendation and any supplemental applications completed by Sept. 15.

You need a total of 124 hours, not including FND courses. You also need a minimum 2.0 GPA overall and in the major in order to graduate.