

## Department of Biology & Environmental Science BS Four-Year Degree Plan (Biology- Pre-medical 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 Eds (PSYC 101 Intro to Psychology and SOCI 101 Intro to Sociology recommended)	6
Gen Eds (ENGL 101A College Writing I recommended)	6	SPSC 102 Wellness Education	1
		SPSC activity	1
<b>Total</b>	<b>16</b>		<b>16</b>

### Year 2

Fall		Spring	
Course	Credits	Course	Credits
BIOL 205 Genetics	4	BIOL 302 Cell and Molecular Biology or BIOL pre-med 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-med elective (BIOL 208A Microbiology or BIOL 310 Developmental Biology or BIOL 218 Histology)	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
PHYS 221 Fundamentals of Physics I or 251 Physics I	4	CHEM 207 Organic Chemistry II	3
CHEM 205 Organic Chemistry I	3	CHEM 208 Organic Chemistry Lab II	1
CHEM 206 Organic Chemistry Lab II	1	PHYS 222 Fundamentals of Physics II or 252 Physics II	4
BIOL pre-med elective (BIOL 208A Microbiology or BIOL 310 Developmental Biology or BIOL 218 Histology)	4	CHEM 304 Biochemistry and/or BIOL 305 Evolution and/or BIOL pre-med elective (BIOL 309 Comparative Vertebrate Anatomy, or BIOL 220 Intro to Neuroscience)	7 or 8
Gen Ed	3	BIOL 335 Current Topics in Biology	1
<b>Total</b>	<b>15</b>		<b>16-17</b>

### Year 4

Fall		Spring	
Course	Credits	Course	Credits
BIOL pre-med elective (BIOL 208A Microbiology or BIOL 310 Developmental Biology or BIOL 218 Histology)	4	CHEM 304 Biochemistry and/or BIOL 305 Evolution and/or BIOL pre-med elective (BIOL 309 Comparative Vertebrate Anatomy, or BIOL 220 Intro to Neuroscience)	7 or 8
Gen Ed and/or general electives	12	BIOL 498 Senior Seminar	1
		Gen Ed and/or general electives	9
<b>Total</b>	<b>16</b>		<b>15-16</b>

### Notes:

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

The two-semester sequence of BIOL 107 Human Anatomy and 108 Human Physiology can be used to fulfill one four-credit Biology elective.

Pre-medical students should plan to take the MCAT, and pre-dental students should plan to take the DAT, late in the spring of their junior year.

CHEM 120, 121, 122, 123, 205, 206, 207, 208, and 304, BIOL101 and 102, PHYS 221 (or 251) and 222 (or 252), PSYC 101, SOCI 101, ENGL 101A and 102A should be taken prior to attempting the MCAT. It is strongly suggested that you also complete MATH 180 and BIOL 205 before taking the MCAT.

CHEM 120, 121, 122, 123, 205, 206, 207, and 208, BIOL101 and 102, ENGL 101A and 102A, MATH 193 should be taken prior to attempting the DAT.

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.