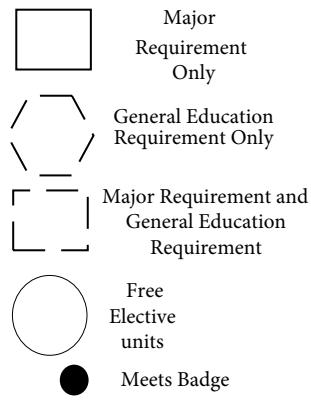


Biological Sciences Sample Plan – Developmental Track



- This sample plan demonstrates the recommended sequencing and timing of the required and elective components within the major.
- In many cases, a student's academic background will require variations in the timing of the coursework listed in the plan.
- All students are expected to work with their academic advisor to find their best pathway through the degree requirements of their chosen program.
- When taking an advanced language GE, students might need to plan to take its prerequisite or its first level course.
- For crossroads, please refer to BIO 130, 170, & BIO 177.

***Crossroads and writing in the discipline can not be shared with one another

		Year 1			
Year 1	Semester 1 (17 units)	<p>BIO 1 & 1L Contemporary Biology with Lab (5 units)</p>	<p>SPARK Seminar (4 units)</p>	<p>MATH 11 Calculus I for BIO (4 unit)</p>	<p>CHEM 2 General Chemistry I (4 units)</p>
	Semester 2 (17 units)	<p>BIO 2 & 2L Intro to Molecular Biology with Lab (5 units)</p>	<p>WRI 10 College Reading & Composition (4 units)</p>	<p>MATH 12 Calculus II for BIO (4 units)</p>	<p>CHEM 10 General Chemistry II (4 units)</p>
Year 2	Semester 3 (12-14 units)	<p>Language (2-4 units)</p>	<p>MATH 15 Introduction to Scientific Data Analysis (2 units)</p>	<p>PHYS 18 & 18L Introductory Physics I for Biological Sciences & Lab (3 units & 1 unit)</p>	<p>BIO 110 The Cell (4 units)</p>
	Semester 4 (16-18 units)	<p>CHEM 8 & 8L Organic Chemistry I (4 units)</p>	<p>Probability & Statistics Requirement (4-5 units)</p>	<p>PHYS 19 & 19L Introductory Physics II for Biological Sciences & Lab (3 units & 1 unit)</p>	<p>Approaches to Knowledge Area B I (4-5 units)</p>
Year 3	Semester 5 (13-17 units)	<p>Approaches to Knowledge Area B II (2-4 units)</p>	<p>BIO 140 Genetics (4 units)</p>	<p>[Upper Division Science/Engineering Course] (3-4 units)</p>	<p>[Quantitative Course] (4-5 units)</p>
	Semester 6 (16-20 units)	<p>Bio 150/L Embryos, Genes, and Development (7 units)</p>	<p>Crossroads (4 units)</p>	<p>[Evolution Course] (3-4 units)</p>	<p>Approaches to Knowledge Area A III (2-5 units)</p>
Year 4	Semester 7 (12-18 units)	<p>[Laboratory Component – Lecture + Lab] (4-5 units)</p>	<p>Approaches to Knowledge Area B III (2-5 units)</p>	<p>Free Elective (minimum 1 unit)</p>	<p>Free Elective (minimum 1 unit)</p>
	Semester 8 (12-18 units)	<p>[Upper Division Biology Elective Course I] (3-5 units)</p>	<p>[Upper Division Biology Elective Course II] (3-5 units)</p>	<p>Integrative Culminating Experience (units may vary)</p>	<p>Free Elective (minimum 1 unit)</p>