






Biological Sciences Sample Plan – Ecology and Evolutionary Track

 Major Requirement Only
 General Education Requirement Only
 Major Requirement and General Education Requirement
 Free Elective units
 Meets Badge

Year 1	
Semester 1 (17 units)	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p>● BIO 1 & 1L Contemporary Biology with Lab (5 units)</p> </div> <div style="border: 1px dashed black; padding: 5px; width: 20%;"> <p>SPARK Seminar (4 units)</p> </div> <div style="border: 1px dashed black; padding: 5px; width: 20%;"> <p>● MATH 11 Calculus I for BIO (4 units)</p> </div> <div style="border: 1px dashed black; padding: 5px; width: 20%;"> <p>● CHEM 2 General Chemistry I (4 units)</p> </div> </div>
Semester 2 (17 units)	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p>BIO 2 & 2L Intro to Molecular Biology with Lab (5 units)</p> </div> <div style="border: 1px dashed black; padding: 5px; width: 20%;"> <p>WRI 10 College Reading & Composition (4 units)</p> </div> <div style="border: 1px dashed black; padding: 5px; width: 20%;"> <p>● MATH 12 Calculus II for BIO (4 units)</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p>● CHEM 10 General Chemistry II (4 units)</p> </div> </div>
Year 2	
Semester 3 (14-16 units)	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px dashed black; padding: 5px; width: 20%;"> <p>GE Language (4 units)</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p>● Major Computer Science Requirement (2-4 units)</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p>PHYS 18 & 18L Introductory Physics I for Biological Sciences & Lab (3 units & 1 unit)</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p>CHEM 8& 8L Organic Chemistry I (4 units)</p> </div> </div>
Semester 4 (16-17 units)	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p>● BIO 110 The Cell (4 units)</p> </div> <div style="border: 1px dashed black; padding: 5px; width: 20%;"> <p>Approaches to Knowledge Area B I (4-5 units)</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p>PHYS 19 & 19L Introductory Physics II for Biological Sciences & Lab (3 units & 1 unit)</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p>BIO 141 Evolution (4 units)</p> </div> </div>
Year 3	
Semester 5 (13-18 units)	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px dashed black; padding: 5px; width: 20%;"> <p>Approaches to Knowledge Area A III (2-5 units)</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p>Probability & Statistics Requirement (4-5 units)</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p>[Upper Division Science/Engineering Course] (3-4 units)</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p>● BIO 148 Fundamentals of Ecology (4 units)</p> </div> </div>
Semester 6 (12-17 units)	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p>[Practicum Component] (4-7 units)</p> </div> <div style="border: 1px dashed black; padding: 5px; width: 20%;"> <p>Crossroads (4 units)</p> </div> <div style="border: 1px dashed black; padding: 5px; width: 20%;"> <p>Approaches to Knowledge Area B II (2-4 units)</p> </div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; width: 20%;"> <p>Free Elective (minimum 2 unit)</p> </div> </div>
Year 4	
Semester 7 (12-17 units)	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px dashed black; padding: 5px; width: 20%;"> <p>Writing in the Discipline (3-5 units)</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p>BIO 140 Genetics (4 units)</p> </div> <div style="border: 1px dashed black; padding: 5px; width: 20%;"> <p>Approaches to Knowledge Area B III (2-5 units)</p> </div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; width: 20%;"> <p>Free Elective (minimum 3 unit)</p> </div> </div>
Semester 8 (12-17 units)	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p>[Upper Division Biology Elective Course I] (3-5 units)</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> <p>[Upper Division Biology Elective Course II] (3-5 units)</p> </div> <div style="border: 1px dashed black; padding: 5px; width: 20%;"> <p>Integrative Culminating Experience (1-4 units)</p> </div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; width: 20%;"> <p>Free Elective (minimum 2 unit)</p> </div> </div>

- 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.
 - Classes that can maximize major/emphasis and writing in the discipline are BIO 129, BIO 130, & BIO 150L.
 - For crossroads please refer to these classes: BIO 129/ESS, BIO 130/ESS, BIO 133/ESS, BIO 153, BIO 170, BIO 172/ESS, BIO 174/ESS & BIO 177
 - For Writing in the Discipline please refer to these classes: BIO 120L, BIO 129/ESS, BIO 130/ESS, BIO 150L, BIO 159, & BIO 174/ESS
- ***Crossroads and writing in the discipline can not be shared with one another.