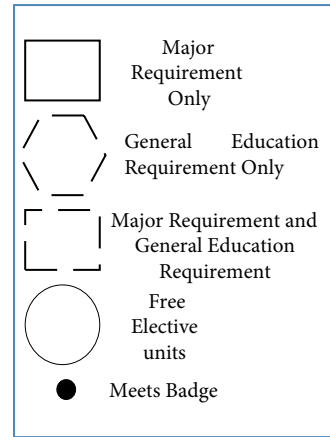


## Biological Sciences Sample Plan – Molecular & Cell Track

Year	Semester	Units	Course/Requirement	Units	Notes	
Year 1	Semester 1	(17 units)	BIO 1 & 1L Contemporary Biology with Lab (5 units)	MATH 11 Calculus I for BIO (4 units)	SPARK Seminar (4 units)	CHEM 2 General Chemistry I (4 units)
	Semester 2	(17 units)	BIO 2 & 2L Intro to Molecular Biology with Lab (5 units)	MATH 12 Calculus II for BIO (4 units)	WRI 10 College Reading & Composition (4 units)	CHEM 10 General Chemistry II (4 units)
Year 2	Semester 3	(14-16 units)	Major Computer Science Requirement (2-4 units)	PHYS 18 & 18L Introductory Physics I for Biological Sciences & Lab (3 units & 1 unit)	GE Language (4 units)	BIO 110 The Cell (4 units)
	Semester 4	(15-17 units)	CHEM 8 & 8L Organic Chemistry I (4 units)	PHYS 19 & 19L Introductory Physics II for Biological Sciences & Lab (3 units & 1 unit)	Approaches to Knowledge   Area B I (4-5 units)	[Upper Division Science or Engineering] (3-4 units)
Year 3	Semester 5	(14-20 units)	Probability & Statistics Requirement (4-5 units)	Laboratory Component [Lecture & lab] (4-7 units)	Crossroads (4 units)	Approaches to Knowledge   Area B II (2-4 units)
	Semester 6	(13-17 units)	[Quantitative Biology] (4 units)	BIO 140 Genetics (4 units)	Approaches to Knowledge   Area A III (2-4 units)	Writing in the Discipline (3-5 units)
Year 4	Semester 7	(12-16 units)	[Evolution Biology] (3-4 units)	[Upper Division Biology Elective I] (3-5 units)	Approaches to Knowledge   Area B II (2-4 units)	Free Elective (minimum 3 unit)
	Semester 8	(12-21 units)	[Upper Division Biology Elective II] (3-5 units)	[Upper Division Biology Elective III] (3-5 units)	Approaches to Knowledge   Area B III (2-4 units)	Integrative Culminating Experience (1-4 units)



- 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 these classes: BIO 101, BIO 130/ESS, BIO 170, & BIO 177.
- For major/emphasis and writing in the discipline... BIO 130/ESS, BIO 150L, & BIO 161.

\*\*\*Crossroads and Writing in the Discipline can not be shared with one another