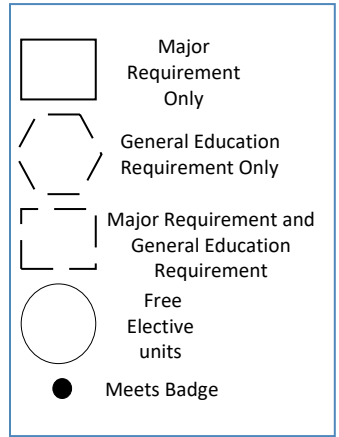


Biological Sciences Sample Plan – Microbiology and Immunology Track



Year	Semester	Units	Course 1	Course 2	Course 3	Course 4
Year 1	Semester 1	(17 units)	BIO 1 & 1L Contemporary Biology with Lab (5 units)	SPARK Seminar (4 units)	MATH 11 Calculus I for BIO (4 units)	CHEM 2 General Chemistry I (4 units)
	Semester 2	(17 units)	BIO 2 & 2L Intro to Molecular Biology with Lab (5 units)	WRI 10 College Reading & Composition (4 units)	MATH 12 Calculus II for BIO (4 units)	CHEM 10 General Chemistry II (4 units)
Year 2	Semester 3	(12-14 units)	MATH 15 Introduction to Scientific Data Analysis (2 units)	Language (2-4 units)	PHYS 18 Introductory Physics I for Biological Sciences (4 units)	CHEM 8/L Organic Chemistry I (4 units)
	Semester 4	(13-15 units)	BIO 110 The Cell (4 units)	Approaches to Knowledge Area A III (2-4 units)	PHYS 19 Introductory Physics II for Biological Sciences (4 units)	CHEM 100 Organic Chemistry II (3 units)
Year 3	Semester 5	(16-17 units)	BIO 18 Statistics for Scientific Data Analysis (4 units)	Approaches to Knowledge Area B I (4-5 units)	BIO 120 General Microbiology (4 units)	Bio 101 Biochemistry (4 units)
	Semester 6	(12-18 units)	Bio 151 Molecular Immunology (4 units)	Approaches to Knowledge Area B II (2-4 units)	[Bio 151L or Bio 120L] (1-3 units)	Bio 140 Genetics (4 units)
Year 4	Semester 7	(12-15 units)	[Upper Division Biology Elective Course I] (3-4 units)	Writing in the Discipline (3-4 units)	[Upper Division Biology Elective Course II] (3-4 units)	Free Elective (3 units)
	Semester 8	(12-18 units)	[Upper Division Biology Elective Course III] (3-4 units)	Approaches to Knowledge Area B III (2-4 units)	Integrative Culminating Experience (1-4 units)	Free Electives (6 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.