

Advising Course Plan - Molecular and Cellular Biology Major

This plan indicates an effective way to earn a Bachelor of Science degree in Molecular Biology. This basic plan may be altered depending upon your post-graduate plans. Please see other advising plans that consider specific post-graduate plans.

First Year		
Fall		
		Units
BIOL 100	Becoming a Stetson Biologist	0.0
FSEM 100	First Year Seminar	1
BIOL 141P	Introductory Biology: Biochemistry, Cell Biology and Molecular Genetics	1
General Education requirement		1
General Education requirement		1
Term Units		4
Spring		
BIOL 142P	Introductory Biology: Animal and Plant Physiology	1
General Education requirement		1
General Education requirement		1
General Education requirement		1
Term Units		4
Second Year		
Fall		
BIOL 243Q	Biostatistics	1
CHEM 141P ⁺	General Chemistry I	1
MATH 130 ¹	Calculus I with Review Part I	1
General Education requirement		1
Term Units		4
Spring		
BIOL 300 ²	Molecular Biology and Biotechnology	1
CHEM 142P	General Chemistry II	1
MATH 131Q	Calculus I with Review Part 2	1
Elective		1
Term Units		4
Third Year		
Fall		
BIOL 425 [*]	Cell Biology	1
CHEM 201	Organic Chemistry I	1
Junior Seminar ⁴		1
Elective		1
Term Units		4
Spring		
BIOL 497	Research Proposal	0.5
CHEM 204 ^{6, *}	Biochemistry I	1
CHEM 301	Organic Chemistry II	1
Elective		1
Elective		1
Term Units		4.5
Fourth Year		
Fall		
BIOL 498	Senior Project I	1
BIOL 300 or 400 level course ^{3, 5}		1
Elective		1
Elective		1
Term Units		4

Spring		
		Units
BIOL 499	Senior Project II	1
BIOL 300 or 400 level course ^{3, 5}		1
Elective		1
Elective		1
Term Units		4

Total Unit: 32.5

- ¹ The timing of the Math course is not critical; it can be taken at a later time. Some students may place into, and wish to take, MATH 141Q instead of MATH 130 and MATH 131Q.
 - ² BIOL 300 can be taken in the spring of the 3rd year
 - ³ BIOL 300- or 400-level courses can be taken in any order.
 - ⁴ The JSEM can be taken in the spring instead of the fall.
 - ⁵ The last two required upper division Biology courses must be chosen from BIOL 301, BIOL 314, BIOL 315, BIOL 425, BIOL 401, BIOL 409, BIOL 410
 - ⁶ CHEM 204 can be taken in the 4th Year.
- * Two core courses are required for the MCB major (Core course options: BIOL 302, BIOL 425, and CHEM 204). BIOL 302 can be taken instead of BIOL 425 or CHEM 204.
- + Students can concurrently take BIOL 141P with CHEM 141P and/or BIOL 142P with CHEM 142P. However, student must obtain additional academic advising and get permission from their academic advisor before enrolling in both courses.