

## Recommended Course Plan for Cell and Molecular Biology Concentration, B.S. Biology

This is a sample four-year plan for students who arrive at SFSU with all of the appropriate pre-requisites. In this plan, students will take roughly 9 Units of coursework for their major every semester. The order of some courses can be changed, but some cannot (due to pre-requisites) – check the Bulletin or with an advisor to be sure. You should fill out the remainder of your schedule with GE courses as needed.

This sample course plan is based on the current SFSU Bulletin (2005-2006), requiring 35-36 units of lower division courses and 36 units of upper division courses for 71 total units. The course plan is not a substitute for consulting with a Cell and Molecular Biology Advisor to develop your final course plan.

COURSES	UNITS
<b>Semester 1</b>	
Math 226 (Calculus I)	4
Phys 111/112 (Physics I)	4
<b>Semester 3</b>	
Biol 230 (Intro Biol I)	5
Chem 115 (Gen Chem I)	5
<b>Semester 5</b>	
Biol 350 (Cell Biology)	3
Biol 355 (Genetics)	3
Chem 335 (Org Chem II)	3
<b>Semester 7</b>	
Chem 340 (Biochem I)	3
Group B elective(s)	X

COURSES	UNITS
<b>Semester 2</b>	
Math 227 <sup>1</sup> (Calculus II) or Math 228 (Calculus III) or Math 124 (Elementary Statistics) or CSC 210 (Intro to Computer Prog) or Biol 458 (Biometry)	4 4 3 3 4
Phys 121/122 (Physics II)	4
<b>Semester 4</b>	
Biol 240 (Intro Biol II)	5
Chem 333 (Org Chem I)	3
<b>Semester 6</b>	
Biol 351 (Expts in Cell & Molecular Biology)	4
Biol 357 (Mol Genetics)	3
Chem 215/216 (Gen Chem II)	5
<b>Semester 8</b>	
Biol 382 (Dev Biol)	3
Chem 341 (Biochem II)	3
Group A elective(s)	X

<sup>1</sup>Students who plan to study for a Ph.D. should complete at least two semesters of calculus and one semester of physical chemistry.