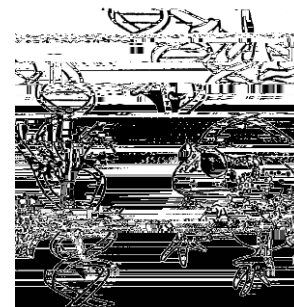


Department of Biological Sciences
 California State University, East Bay
 510-885-3471



**B.S. Degree in Biological Science
 CELL AND MOLECULAR OPTION**

<u>Physical Sciences & Mathematics Core</u>		<u>Units</u>
Chem 1101, 1102, 1103	General Chemistry	15
Chem 3301, 3302, 3303	Organic Chemistry	15
Chem 4411, 4412	General Biochemistry	8
Math 1300 or 1304	Trigonometry or Calculus I	4
Physics 2701, 2702, 2703	Intr Biol 1401	
	Biol 1402	Molecular and Cellular Biology
	Biol 1403	Plant Biology
	Biol 3121	Animal Biology
	Biol 3122	Principles of Genetics
	Biol 3151	Principles of Developmental Genetic Analysis
		Principles of Animal Physiology

5
29

Concentration in Cell and Molecular Biology

Biol 4455	Molecular Cell Biology	4
Biol 4456 (or 4485)	Molecular Techniques (or PCR from below)	<u>3 (or 4)</u>
		7 (min.)

Cell and Molecular Elective Courses (12 units min.)

Biol 3405	Microbiology	6
Biol 3430	Hematology	4
Biol 4430	Immunology	4
Biol 4441	Principles of Virology	4
Biol 4450	Cell Culture Techniques	4
Biol 4485	PCR, DNA Sequencing & Frag. Anal. (if not used above)	4
Biol 4490	Bioinformatics	4
Chem 4430	General Biochemistry Laboratory	4

TOTAL UNITS for Option: 106 Units (min.)