

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

B.S. in Biological Sciences
ECOLOGY AND CONSERVATION



<u>Physical Sciences & Mathematics Core</u>		<u>Units</u>
Chem 1101, 1102, 1103	General Chemistry I, II, III	15
Chem 2301, 2302;	Survey of Organic Chemistry I, II OR:	
Chem 3301, 3302, 3303	Organic Chemistry I, II, III	8 or 15
Chem 3400 or 4411	Introductory Biochem. OR: General Biochem. I	4
Math 1300 or 1304	Trigonometry or Calculus I	4
Stat 3031	Statistical Methods in Biology	4
Physics 1700, 1780	Elem. Physics, & Elem. Physics Lab	5
	(or a maximum of 5 units from entire Physics 2701-2-3 series)	

Biology Core

Biol 1401	Molecular and Cellular Biology	5
Biol 1402	Plant Biology	5
Biol 1403	Animal Biology	5
Biol 3110	Principles of Ecology	4
Biol 3121	Principles of Genetics	5
Biol 3130	Principles of Evolutionary Biology	4
Biol 3151	Principles of Animal Physiology	5
Biol 4351 or 6351	Biological Conservation	4

Organismal/Systematics Courses (24 units min.)

Biol 3122 Princ of Developmental Genetic Anal. (4)	Biol 6120 Environmental Experimental Analysis (4)
Biol 3126 Freshwater Environments (4)	Biol 6175 Population Biology (4)
Biol 3405 Microbiology (6)	Biol 6801 Graduate Seminar - Ecology (3)
Biol 3441 Biomedical Parasitology (4)	ENVT 3400 Environmental Resource Analysis (4)
Biol 4130 Biogeography (4)	ENVT 4100 Environmental Impact Analysis (4)
Biol 4340 Environmental Microbiology (4)	GEOG 4130 Biogeography (4)
Biol 4425 Biology of Fungi (4)	GEOL 3400 General Oceanography (4)
Biol 4575 Herpetology (4)	MSC 4570 Ichthyology (4)
Biol 4583 Vertebrate Biology (4)	

TOTAL UNITS (with Chem 23xx series): 101 Units (min.)
TOTAL UNITS (with Chem 33xx series): 108 Units (min.)