

2016-2017
MARINE BIOLOGY

LOWER-DIVISION REQUIREMENTS

Biology	BILD 1 _____	BILD 2 _____	BILD 3 _____	
Math	10A _____	10B _____	10C _____	(or 20A _____ 20B _____ 20C _____)
Chemistry	6A _____	6B _____	6C _____	7L _____
Physics	1A _____	1AL _____	1B _____	1BL _____ 1C _____ 1CL _____ (or 2A _____ 2B _____ 2C _____)
SIO	90 _____			

UPPER-DIVISION REQUIREMENTS

1. Marine Biology Core (all courses required)

SIO 132 _____	Introduction to Marine Biology
SIO 134 _____	Introduction to Biological Oceanography
SIO 181 _____	Marine Biochemistry (prerequisite waived for majors)
SIO 136 _____	Marine Biology Laboratory
SIO 139 _____	Current Research in Marine Biology Colloquium

2. Biology Core Courses (all courses required)

SIO 187 _____	Statistical Methods in Marine Biology
BICD 100 _____	Genetics

3. Oceans, Physics and Chemistry Requirement*

SIO 119 _____	Physics and Chemistry of the Ocean
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4. Restricted Electives (at least 5 of the following; 2 must be indicated as Lab courses)

SIO 123 _____	Microbial Environmental Systems Biology
SIO 125 _____	Biomechanics of Marine Life
SIO 126 _____	Marine Microbiology
SIO 127 _____	Marine Molecular Ecology
SIO 128 _____	Microbial Life in Extreme Environments
SIO 129 _____	Marine Chemical Ecology
SIO 133 _____	Marine Mammal Biology
SIO 138 _____	The Coral Reef Environment
SIO 189 _____	Pollution, Environment & Health
CHEM 140A _____	Organic Chemistry I
CHEM 140B/BH _____	Organic Chemistry II
BIBC 102 _____	Metabolic Biochemistry
BIEB 102 _____	Introduction to Ecology
BIEB 150 _____	Evolution
SIO 199 _____	Independent Study

LAB ELECTIVES:

SIO 101 _____	California Coastal Oceanography
SIO 104 _____	Paleobiology & History of Life
SIO 126L _____	Marine Microbiology Lab
SIO 147 _____	Applications of Phylogenetics
SIO 183 _____	Phycology: Biology of Marine Plants
SIO 184 _____	Marine Invertebrates
CHEM 143A/AH _____	Organic Chemistry Lab
BIBC 103 _____	Biochemical Techniques Lab

*Effective Spring 2016