

**2017-2018
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

4. Restricted Electives (at least 5 of the following; 2 must be indicated as Lab courses)

SIO 121 _____ Biology of the Cryosphere
SIO 122 _____ Environmental Developmental
Biology
SIO 123 _____ Microbial Environmental
Systems Biology
SIO 124 _____ Marine Natural Products
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
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 131 _____ Parasitology
SIO 147 _____ Applications of Phylogenetics
SIO 183 _____ Phycology: Biology of Marine
Plants
SIO 184 _____ Marine Invertebrates
SIO 185 _____ Marine Microbiology Lab
SIO 188 _____ Biology of Fishes Lab
BIBC 103 _____ Biochemical Techniques Lab

***Effective Spring 2016**