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_____ 7L_____
Physics
1A_____ 1AL_____ 1B_____ 1BL_____ 1C_____ 1CL_____ 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