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
   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 Elective (at least one of the following)
   SIO 119 _____ Physics and Chemistry of the Oceans (recommended)
   SIO 111 _____ Introduction to Ocean Waves
   SIO 117 _____ The Physical Basis of Global Warming
   SIO 135/236 _____ Satellite Remote Sensing
   SIO 141/CHEM 174 _____ Chemical Principles of Marine Systems
   SIO 143 _____ Ocean Acidification
   ESYS 102 _____ The Solid and Fluid Earth

4. Restricted Electives (at least 5 of the following; 2 must be indicated as Lab courses)
   SIO 50 _____ Introduction to Earth and Environmental Sciences (Lab)
   SIO 101 _____ California Coastal Oceanography (Lab)
   SIO 104 _____ Paleobiology & History of Life (Lab)
   or SIO 148 _____ Evolution of Earth’s Biosphere (Lab)
   SIO 126 _____ Marine Microbiology
   SIO 126L _____ Marine Microbiology Lab (Lab)
   SIO 133 _____ Marine Mammal Biology
   SIO 138 _____ The Coral Reef Environment
   SIO 147 _____ Applications of Phylogenetics (Lab)
   SIO 189 _____ Pollution, Environment and Health
   SIO 183 _____ Phycology: Biology of Marine Plants (Lab)
   SIO 184 _____ Marine Invertebrates (Lab)
   CHEM 140A _____ Organic Chemistry I
   CHEM 140B or 140BH _____ Organic Chemistry II
   CHEM 143A or 143AH _____ Organic Chemistry Laboratory (Lab)
   BIBC 102 _____ Metabolic Biochemistry
   BIBC 103 _____ Biochemical Techniques Lab (Lab)
   BIEB 102 _____ Introduction to Ecology
   BIEB 150 _____ Evolution
   SIO 199 _____ Independent Study for Undergraduates