Bachelor of Science in Biology
MARINE BIOLOGY CONCENTRATION

Lower-Division Core in Biology (8)
BIOL 130 (Introductory Cell Biology and Genetics, 4 units)
BIOL 131 (Diversity and Ecology, 4 units)

Physical Sciences & Mathematics (31)
CHEM 115A & 115B (General Chemistry, 10 units)
CHEM 335A & 335B (Organic Chemistry, 6 units)
MATH 165 (Elementary Applied Statistics, 4 units)
MATH 161 (Differential and Integral Calculus, 4 units)
PHYS 210A & 210B (General Physics Lecture, 6 units)
PHYS 209A (General Physics Lab, 1 unit)

Upper-Division Core in Biology (8)
BIOL 320 (Evolution and Ecology, an Integrated Approach, 4 units)
BIOL 321 (Molecular Biology, Cell Biology and Physiology, 4 units)

Organismal/Diversity Requirement (complete ONE of the following) (4)
BIOL 322 (Invertebrate Biology, 4 units)
BIOL 323 (Entomology, 4 units)
BIOL 327 (Vertebrate Biology, 4 units)
BIOL 329 (Plant Biology, 4 units)
BIOL 340 (General Bacteriology, 4 units)

Upper-Division Requirements (3)
BIOL 332 (Marine Biology, 3 units)

Major Electives for Concentration (21)
Choose in consultation with your advisor

Recommended courses:
BIOL 322 (Invertebrate Biology, 4 units)
(if not used to satisfy the Organismal/Diversity Requirement)
BIOL 324 (Marine Mammals, 3 units)
BIOL 333 (Ecology, 4 units)
BIOL 335 (Marine Ecology, 4 units)
BIOL 337 (Behavioral Ecology, 3 units)
BIOL 341 (Evolution, 4 units)
BIOL 347 (Environmental Physiology, 4 units)
BIOL 485 (Biometry, 4 units)

Research Experience: (choose one of the following) (3)
a. Research Experience in Biology
   BIOL 490 (3 units)
b. Honors Thesis (enrollment by application only)
   BIOL 496A Honors Thesis I – Research Design (1-2 units)
   AND
   BIOL 496B Honors Thesis II (2-3 units)
c. Independent Research
   BIOL 494 (1-3 units)

Total Units in Degree 120

Recommended Advisors (in alphabetical order): Dan Crocker, Murali Pillai, Sean Place, and Mackenzie Zippay

Updated: 08/22/17