Bachelor of Science in Biology
PHYSIOLOGY 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 (complete FOUR of the following) (16)
(choices must include ONE of the courses indicated by *)
BIOL 341 (Evolution, 4 units)
BIOL 342 (Molecular Genetics, 4 units)
BIOL 344 (Cell Biology, 4 units)
*BIOL 347 (Environmental Physiology, 4 units)
*BIOL 348 (Plant Physiology, 4 units)
*BIOL 349 (Animal Physiology, 4 units)
BIOL 472 (Developmental Biology, 4 units)
BIOL 480 (Immunology, 4 units)

Major Electives for Concentration (8)
Choose in consultation with your advisor

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 78
GE (12 units in major) 38
Electives 4
Total Units in Degree 120

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

Updated: 10/05/17