# Biology B.A. 2018-19

- **Name:** ______________________________________________
- **Date:** _________________
- **ID #:** ___________________

**NOTE:** Courses appearing in more than one category can fulfill only one requirement.

## Lower Division Requirements

### General Chemistry:
- CHEM 1A (FWS) ___
- CHEM 1B (FWS) ___

### Biology:
- BIOL 20A (FWS) ___ + BIOE 20B (FWS) ___ + BIOE 20C (FWS) ___

### Statistics:
- AMS 5 (FWS) ___ OR 7/L (FWS) ___

### Physics:
- PHYS 1 (W) ___ OR PHYS 7A (-) ___ OR 6A (FWS) ___
  - **NOTE:** PHYS 7A & PHYS 6A have a calculus prerequisite - MATH 11A or Math 19A and require concurrent enrollment in Phys 6L lab.

## Upper Division Requirements

8 courses total (2 lab/field courses needed for DC)

### Genetics:
- BIOL 105 (FWS) ___

### Ecology:
- BIOE 107 (FWS) ___

### Evolution:
- BIOE 109 (FWS) ___

### Anatomy or Physiology:
- ONE from the following...
  - BIOE 131/L Animal Physiology (lab optional) (W) ___
  - BIOE 133/L Exercise Physiology (S20) ___
  - BIOE 134/L Comparative Vertebrate Anatomy (S) ___
  - BIOE 135/L Plant Physiology (F) ___
  - BIOE 136 Environmental Physiology (F) ___
  - BIOL 130/L Human Physiology (lab optional) (FW) ___
  - METX 135/L Human Anatomy (S) ___

### General Electives:
- FOUR upper-division electives from the following...
  - BIOE 108 Marine Ecology (W) ___
  - BIOE 112/L Ornithology (F19) ___
  - BIOE 113/L Animal Physiology (S20) ___
  - BIOE 117/L Systematic Botany (W) ___
  - BIOE 118 Plants and Society (S) ___
  - BIOE 120/L Marine Botany (S) ___
  - BIOE 122/L Invertebrates (W) ___
  - BIOE 124/L Mammalogy (F) ___
  - BIOE 125 Ecosystems of CA (WS) ____
  - BIOE 127/L Ichthyology (W20) ___
  - BIOE 128L Large Marine Vertebrates Field (S) ___
  - BIOE 129/L Marine Mammals (S) (lab optional) ___
  - BIOE 131/L Animal Physiology (W) (lab optional) ___
  - BIOE 133/L Exercise Physiology (S20) ___
  - BIOE 134/L Comparative Vertebrate Anatomy (S) ___
  - BIOE 135/L Plant Physiology (F) ___
  - BIOE 136 Environmental Physiology (F) ___
  - BIOE 137/L Molecular Ecology (S) ___
  - BIOE 140 Behavioral Ecology (F) ___
  - BIOE 141L Behavioral Ecology Field Course (W19) ___
  - BIOE 145 Plant Ecology (F) ___
  - BIOE 145L Field Methods in Plant Ecology (F18) ___
  - BIOE 147 Community Ecology (S) ___
  - BIOE 148A Quantitative Ecology (-) ___
  - BIOE 148B Quantitative Methods (W) ___
  - BIOE 149 Disease Ecology (S) ___
  - BIOE 150 Ecological Field Methods (-) ___

**Field Quarters (Optional):**
  - BIOE 151ABCD Ecology & Conservation in Practice (SP19) (3 electives)
  - BIOE 153ABC Arctic Ecology (S20) (3 electives)
  - BIOE 159ABCD Marine Ecology Field Quarter (F18) (3 electives)

### Disciplinary Communication Requirement

Satisfied by successful completion of TWO approved BIOE courses: __________________ & __________________

**NOTE:** This requirement MUST be completed at UCSC

### Comprehensive Requirement

(Senior Exit Requirement):

For details see:
- [https://www.eeb.ucsc.edu/academics/undergrad/majors-academic-planning/majors-academic-planning-exit.html](https://www.eeb.ucsc.edu/academics/undergrad/majors-academic-planning/majors-academic-planning-exit.html)