2021 - 2022  Biology BA Major Checklist

Quarter offered: (F) Fall, (W) Winter, (S) Spring, (J) Not offered this academic year // All courses must be completed for a letter grade // Course offerings are subject to change

**Lower Division Requirements (7 courses)**

- **General Chemistry:**
  - CHEM 1A General Chemistry (FWS)
  - CHEM 1B General Chemistry (FWS)

- **Biology:**
  - BIOL 20A Cell & Molecular Biology (FWS)
  - BIOL 20B Development & Physiology (FWS)

- **Physics:**
  - PHYS 6A Introductory Physics I (FWS)
  - PHYS 6L Introductory Physics I Lab (FWS)

- **Statistics:**
  - STAT 5 Statistics (FWS)
  - STAT 7 Biostatistics (FWS)

**Major Qualification:**

Students may submit a petition to declare the major after completing BIOL 20A, BIOL 20B, BIOL 20C, CHEM 1A, and CHEM 1B (shaded in green above) with letter grades of C (2.0) or better. No more than one total non-passing grade in all qualification courses is permitted. Fresh must declare no later than their 6th quarter deadline; Transfer student information is available here. View the complete Major Qualification Policy and declaration deadlines here.

**Upper Division Requirements (8 courses)**

- **Foundation Courses (THREE):**
  - BIOL 105 Genetics (FWS)
  - BIOL 107 Ecology (FWS)
  - BIOL 109 Evolution (FWS)

- **Anatomy / Physiology Core Course:** Choose ONE from this list:
  - BIOL 134L Animal Physiology (lab optional) (F)
  - BIOL 133L Exercise Physiology (W)
  - BIOL 134L Comparative Vertebrate Anatomy (F)

- **EEB General Electives:** Choose FOUR from this list:
  - BIOL 108 Marine Ecology (W)
  - BIOL 112L Ornithology (F21)
  - BIOL 114L Herpetology (S)
  - BIOL 120L Marine Botany w/ Lab (S)
  - BIOL 122L Invertebrate Zoology (W)
  - BIOL 124L Mammalogy (F)
  - BIOL 125 Ecosystems of California (WS)
  - BIOL 126 Biology of Large Marine Vertebrates (F)
  - BIOL 127L Ichthyology (F)
  - BIOL 128L Large Marine Vertebrate Field (S)
  - BIOL 129L Marine Mammals (lab required for DC) (S)
  - BIOL 131L Animal Physiology (lab optional) (W)
  - BIOL 133L Exercise Physiology (W)
  - BIOL 134L Comparative Vertebrate Anatomy (F)
  - BIOL 135L Plant Physiology (F)
  - BIOL 136 Environmental Physiology (S)
  - BIOL 137L Molecular Ecology (F)
  - BIOL 138 Quantitative Ecology (-)
  - BIOL 139 Quantitative Methods (-)
  - BIOL 140 Behavioral Ecology (W)
  - BIOL 141L Behavioral Ecology Field (-)
  - BIOL 142L Animal Behavior in the Wild (F)
  - BIOL 145 Plant Ecology (S)
  - BIOL 145L Plant Ecology Field (-)
  - BIOL 147 Community Ecology (S)
  - BIOL 149 Disease Ecology (S)
  - BIOL 150 Eco. Field Methods (BIOL 150L required) (-)
  - BIOL 150L Eco. Field Lab (BIOL 150 required) (-)
  - BIOL 151 Lap Ecology Field (-)
  - BIOL 155 Freshwater Ecology (F)
  - BIOL 155L Freshwater Ecology Lab (W)
  - BIOL 156L Marine Ecology Field (-)
  - BIOL 157 Marine Ecology Field (-)
  - BIOL 158L Marine Ecology Field (-)
  - BIOL 159L Freshwater Ecology Lab (W)
  - BIOL 160L Marine Ecology Lab (W)
  - BIOL 161 Kelb Forest Ecology (161L required) (F21)
  - BIOL 161L Kelb Forest Ecology Lab (161L required)
  - BIOL 163L Reefs, Mangroves, & Seagrasses (W)
  - BIOL 165 Marine Conservation Biology (F)
  - BIOL 172 Population Genetics (S)

- **EEB/BIOL lab, a senior thesis, or an exam**

**Graduation Requirements**

**Disciplinary Communication (DC) Requirement**

The DC Requirement is satisfied by completing TWO courses from the DC class list here. TWO out of your 17 upper division courses must be from the DC class list. DC courses are highlighted in blue below.

- DC Course 1:
- DC Course 2:

**Senior Exit Requirement**

The Senior Exit is satisfied by completing an upper division BIOE/BIOL lab, a senior thesis, or an exam listed here.

**Upper and Lower Division Course Offerings**

**Optional Undergraduate Research**

One five (5) unit undergraduate research course may be used to fulfill ONE (1) EEB General Elective. See website for details.

**Optional Group Quarters**

**Optional Field Quarters**

**Refer to the UCSC General Catalog for more information or clarification.**