# Degree: Biological Sciences, B.S. - Ecology and Evolutionary Biology Concentration

## Requirement Area  | Course | Course Title | Prerequisites | Units
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First Semester  | PHYS 126 | Principles of Physics I |  | 4
 | CHEM 230 | Organic Chemistry |  | 5
 | BLD Major | BIOL 140A | Principles of Cell and Molecular Biology |  | 5
 | | MATH 100 | Calculus I |  | 3
 | | E | | | 3 Total: 16
Second Semester  | ENGL 200 or PHYS 230 | |  | 3
 | BLD Major | BIOL 140B | Principles of Organismal Biology | MATH 100 with grade C- or better | 5
 | | E | | | 3 Total: 18
Third Semester  | CHEM 340 | Survey of Biochemistry |  | 3
 | BLD Major | BIOL 141A | Evolutionary Biology | BIOL 140A | 3
 | | B1/LD Major | BIOL 140A |  | 3 Total: 12
Fourth Semester  | CHEM 340 | Survey of Biochemistry |  | 3
 | BLD Major | BIOL 141A | Evolutionary Biology | BIOL 140A | 3
 | | PHYS 125 | Principles of Physics I |  | 4
 | | STAT 303 | Statistical Methods for Biology | completion of GE area D4 | 3
 | | E | | | 3 Total: 15
Fifth Semester  | ENGL 102 | Workshop in Critical Thinking |  | 3
 | BLD Major | CHEM 111 | General Chemistry I |  | 5
 | | B2/LD Major | BIOL 140A | Upper-division Science Inquiry and Quantitative Reasoning |  | 3
 | | B3/LD Major | BIOL 140A | Upper-division Science Inquiry and Quantitative Reasoning |  | 3
 | | B4/LD Major | BIOL 140B | Upper-division Science Inquiry and Quantitative Reasoning |  | 3
 | | E | | | 3 Total: 15
Sixth Semester  | PHYS 126 or PHYS 127 | |  | 3
 | BLD Major | CHEM 340 | Survey of Biochemistry | BIOL 141A | 3
 | | PHYS 125 | Principles of Physics II | PHYS 125 | 4
 | | E | | | 3 Total: 15
Seventh Semester  | ENGL 102 | Workshop in Critical Thinking |  | 3
 | BLD Major | BIOL 141A | Evolutionary Biology | BIOL 140A | 3
 | | B2/LD Major | BIOL 140A | Upper-division Science Inquiry and Quantitative Reasoning |  | 3
 | | B3/LD Major | BIOL 140A | Upper-division Science Inquiry and Quantitative Reasoning |  | 3
 | | B4/LD Major | BIOL 140B | Upper-division Science Inquiry and Quantitative Reasoning |  | 3
 | | E | | | 3 Total: 15
Eighth Semester  | ENGL 102 | Workshop in Critical Thinking |  | 3
 | BLD Major | BIOL 141A | Evolutionary Biology | BIOL 140A | 3
 | | E | | | 3 Total: 15
Total Units: 120

## General Education & University Requirements - Suggested Courses

- **Area A (9 units): Communication in the English Language & Critical Thinking**
  - ENGL 101, 102, or 104
  - A1: COMM 100 or 104, MLL 111
  - A2: Completion of GE areas A1, A2, A3, and B4 with a C- (CR)
  - A3: PHIL 100
  - A4: Completion of GE areas A1, A2, A3, and B4.

- **Area B (9 units): Scientific Inquiry & Quantitative Reasoning**
  - B1: PHYS 126
  - B2: PHYS 125
  - B3: BIOL 140A
  - B4: Upper-division Science Inquiry and Quantitative Reasoning

- **Area C (9 units): Arts & Humanities**
  - C1: ENGL 102 or C2: MUS 101
  - C3: MATH 115
  - C4: Upper-division Arts OR Humanities

- **Area D (9 units): Social Sciences**
  - D1: ENGL 102
  - D2: MATH 104
  - D3: PHIL 100
  - D4: Upper-division Social Sciences

- **Overlay Requirements (9 units):** Courses may be upper or lower division, and GE designated by course prefix (e.g., ANTH, ECON, POSC)

- **U.S. Code Requirements (15 units):** Three (3) courses from U.S. Code Requirements of US-1 (U.S. History), US-2 (U.S. Constitution), and US-3 (California State & Local Government)

- **Environmental Science Requirement**
  - E1: BIOL 140A
  - E2: BIOL 140B

- **Second Composition: Requires completion of GE A2 with a C-/CR or better.**

- **University Writing Skills Requirement**
  - UWSR: Writing Skills Test (WST) or First and/or Second Tier Courses

- **Sustainability (3):**
  - S1: BIOL 140A, MATH 115, STAT 303

- **Third Composition: Requires completion of GE A2 with a C-/CR or better.**

- **University Writing Skills Requirement**
  - UWSR: Writing Skills Test (WST) or First and/or Second Tier Courses

- **Sustainability (3):**
  - S1: BIOL 140A, MATH 115, STAT 303

- **Fourth Composition: Requires completion of GE A2 with a C-/CR or better.**

- **University Writing Skills Requirement**
  - UWSR: Writing Skills Test (WST) or First and/or Second Tier Courses

- **Sustainability (3):**
  - S1: BIOL 140A, MATH 115, STAT 303

- **Required University Core Courses:**
  - University Writing Skills Requirement (UWSR)
  - Physical Activity (PA)

- **Overlay Requirements (9 units):** Courses may be upper or lower division, and GE designated by course prefix (e.g., ANTH, ECON, POSC)

- **Sustainability (3):**
  - S1: BIOL 140A, MATH 115, STAT 303