## Sample Academic Plan - Remember to add your GE's

<table>
<thead>
<tr>
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<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
<th>Summer</th>
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<tbody>
<tr>
<td><strong>Freshman</strong></td>
<td>GE/ME &quot;Major Exploration&quot;</td>
<td>CHEM 1A</td>
<td>CHEM 1B</td>
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<tr>
<td>Core/Writing</td>
<td>GE/ME &quot;Major Exploration&quot;</td>
<td>BIOE 20C</td>
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<td>Core/Writing/ME</td>
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<tr>
<td><strong>Sophomore</strong></td>
<td>BIOL 20A</td>
<td>BIOE 20B</td>
<td>BIOL 105</td>
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<td></td>
<td>AMS 7/L</td>
<td>PHYS 1 or 6A/1</td>
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<td><strong>Junior</strong></td>
<td>BIOL 109</td>
<td>BIOE 107</td>
<td>Anatomy/Physiology/L</td>
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<td>Biology Elective</td>
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<td><strong>Senior</strong></td>
<td>Biology Elective/L</td>
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<td>Biology Elective</td>
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### EEB Yearly Goals

#### Freshman
- Take "ME" (major exploration) courses to explore your interests
- Begin major qualification courses: All EEB majors begin with math placement: MA1H --> CHEM --> BIO
- Attend an EEB Major Qualification Workshop
- Consider taking a field course like BIOE 82 Intro to Field Research & Conservation

#### Sophomore
- Attend EEB Field Experience Workshop
- Review upper division BIOE course descriptions
- Complete major qualification courses
- Declare your major + meet with EEB Advising

#### Junior
- Identify + meet with Faculty Adviser
- Attend EEB Undergraduate Research Workshop
- Consider a UCEAP program and/or Field Quarter
- Consider beginning EEB Undergraduate Research Courses with BIOE 182F
- Begin considering graduate school and careers

#### Senior
- Meet with EEB Advising to complete a grad check
- Review your Academic Advisement Report (AAR) in your MyUCSC portal to verify your GE's. Contact your College Adviser with any questions about your campus-level requirements (units, GE's, etc.)
- Attend EEB Job & Internship Fair
- Meet with a Career Coach at the UCSC Career Center

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Visit our website for sample plans for all EEB sponsored majors: undergrad.pbsci.ucsc.edu/eeb/academic-planning/index.html
Major Map | Biology BA

**Lower Division | 7 courses**

- **General Chemistry (2)**
  - CHEM 1A General Chemistry
  - CHEM 1B General Chemistry

- **Introductory Biology (3)**
  - BIOE 20C Ecology & Evolution
  - BIOL 20A Cell & Molecular Biology
  - BIOE 20B Development & Physiology

- **Physics (1)**
  - PHYS 1 Conceptual Physics I
  - or
  - PHYS 7A/BL Elementary Physics I
  - or
  - PHYS 8A/BL Introductory Physics I

- **Statistics (1)**
  - AMS 5 Statistics
  - or
  - AMS 7/L Biostatistics

**Upper Division | 8 courses - 2 courses must include lab/field component**

**Foundation Courses (3)**
- BIOL 105 Genetics
  - BIOL 108 Evolution
  - BIOL 110 Ecology

**Core Course (1)**
- **Anatomy or Physiology (1)**
  - BIOE 131/L Animal Physiology Lab Optional
  - BIOE 133/L Exercise Physiology
  - BIOE 134/L Comparative Vertebrate Anatomy
  - BIOE 135/L Plant Physiology
  - BIOL 130/L Human Physiology
  - METX 135/L Human Anatomy

**EEB General Electives (3)**
- **Courses numbered BIOE 107 - BIOE 172/L**
  - BIOL 100 Biochemistry
  - BIOL 101/L Molecular Biology
  - BIOL 110 Cell Biology
  - BIOL 115 Eukaryotic Molecular Biology
  - BIOL 120 Developmental Biology
  - BIOL 125 Intro Neuroscience
  - METX 119 Microbiology
  - METX 119L Microbiology Lab

**Optional Field Quarters**
- BIOL 151 Ecology & Conservation in Practice Supercourse
- BIOL 153 Arctic Ecology & Environmental Change Field Quarter
- BIOL 159 Marine Ecology Field Quarter
- Natural Reserve System Ecology & Conservation

**Graduation Requirements**
- Disciplinary Communication (DC): 2 approved lab/field courses. See website.
- Senior Exit: Any 2 or 5-unit lab/field course OR Senior Thesis

*Permission of instructor required*

See catalog for EEB course descriptions: www.eeb.ucsc.edu/academics/courses/course-catalog.php

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**Course Prerequisites**

- BIOL 20A + BIOE 20B + BIOE 20C required for all upper division BIOE courses

//See Catalog