Name: ___________________________________ Date: _______________________

(Quarter offered: F=Fall, W=Winter, S=Spring, (-) = Not offered this year)

NOTES: Courses appearing in more than one category can fulfill only one requirement. 
All courses on check list MUST be taken for a letter grade.

Lower Division Requirements

Calculus: MATH 11A (FWS) ___ + 11B (FWS) ___ 
OR MATH 19A (FWS) ___ + 19B (FWS) ___

Gen Chem: CHEM 1A (FWS) ___ +1B (FWS) ___ + 1C/N (FWS) ___

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

Physics: PHYS 7A/6L (F) ____ + 7B (W) ____
OR PHYS 6A/L (FWS) ___ +6B (WS) ____
OR PHYS 6A/L (FWS) ____ + 6C (FS) ____

Biostatistics: AMS 7/L (FWS) ___

Upper Div Requirements (11 total including 2 lab/field courses: __________   __________)

Genetics: BIOL 105 (FWS) ___

Ecology: BIOE 107 (FWS) ___

Evolution: BIOE 109 (FWS) ___

Physiology: ONE from the following...
  BIOL 131/L Animal Physiology (W) (lab optional) ___
  BIOL 133/L Exercise Physiology (S18) ___
  BIOL 134/L Comparative Vertebrate Anatomy (F) ___
  BIOL 135/L Plant Physiology (F) ___

Organismal: ONE from the following...
  BIOE 112/L Ornithology (F17) ___
  BIOE 114/L Herpetology (S18) ___
  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 California Ecosystems (WS) ___
  BIOE 127/L Ichthyology (W18) ___
  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 (S18) ___
  BIOE 134/L Comparative Vertebrate Anatomy (F) ___
  BIOE 135/L Plant 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) ___

Topical Electives: THREE from the following...
  BIOE 149 Disease Ecology (S) ___
  BIOE 150 Ecological Field Methods (S18) ___
  BIOE 151L Field Methods in Plant Ecology (F17) ___
  BIOE 152L Freshwater Ecology Lab (S) ___
  BIOE 155L Freshwater Ecology Lab (S) ___
  BIOE 157/L Marine Mammals (lab required) (S) ___
  BIOE 158 L Marine Ecology Lab (-) ___
  BIOE 159L Marine Ecology Lab (-) ___
  BIOE 161 Kelp Forest Ecology (F17) ___
  BIOE 163/L Ecology of Reefs, Mangroves, & Seagrasses (W) ___
  BIOE 165 Marine Conservation Biology (F) ___
  BIOE 172L Population Genetics (S) ___
  BIOL 100 Biochemistry (FW) ___
  BIOL 101/L Molecular Biology (WS) ___
  BIOL 105/L Ecological Field Methods Lab (S18) ___
  BIOL 106 Cell Biology (S) ___
  BIOL 118 Plants and Society (S) ___
  BIOL 120 Developmental Biology (W) ___
  BIOL 121 Microbiology (FS) ___
  BIOL 123 Microbiology (FS) ___
  BIOL 124/L Animal Physiology (W) (lab optional) ___
  BIOL 125 California Ecosystems (WS) ___
  BIOL 126 Marine Biology (S) ___
  BIOL 127/L Ichthyology (W18) ___
  BIOL 128L Large Marine Vertebrates Field (S) ___
  BIOL 129/L Marine Mammals (S) (lab optional) ___
  BIOL 131/L Animal Physiology (W) (lab optional) ___
  BIOL 133/L Exercise Physiology (S18) ___
  BIOL 134/L Comparative Vertebrate Anatomy (F) ___
  BIOL 135/L Plant Physiology (F) ___
  BIOL 137/L Molecular Ecology (S) ___
  BIOL 140 Behavioral Ecology (F) ___
  BIOL 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) ___

THREE additional EEB General Electives: ____________________    ____________________    ____________________

DC Req.: Completion of TWO approved BIOE lab/field courses: __________   __________

Note: DC courses must be taken at UCSC. Review approved courses here: 
https://undergrad.pbsci.ucsc.edu/eeb/completing-the-major/dc.html

COMPREHENSIVE REQUIREMENT (Senior Exit Requirement): __________________

For details see:http://undergrad.pbsci.ucsc.edu/eeb/completing-the-major.html

Major Qualification Policy:
1) CHEM 1A
2) CHEM 1B
3) BIOL 20A
4) BIOE 20B
5) BIOE 20C

Must complete all six courses with a “C” or better; no more than 1 non-passing grade in the first 5 qualification courses is accepted.

6) MATH 11A or MATH 19A

**See course equivalencies on reverse
### Ecology & Evolutionary Biology GENERAL ELECTIVES

(Quarter offered: F=Fall, W=Winter, S=Spring, (-) = Not offered this year)

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Quarter Offered</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>BIOE 107</td>
<td>Ecology [Marine Biology only]</td>
<td>FWS</td>
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<tr>
<td>BIOE 108</td>
<td>Marine Ecology</td>
<td>W</td>
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<tr>
<td>BIOE 112</td>
<td>Ornithology</td>
<td>F17</td>
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<td>BIOE 114</td>
<td>Herpetology</td>
<td>S18</td>
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<td>BIOE 117</td>
<td>Systematic Botany of Flowering Plants</td>
<td>W</td>
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<td>BIOE 118</td>
<td>Plants and Society</td>
<td>S</td>
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<td>BIOE 120</td>
<td>Marine Botany</td>
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<td>BIOE 122</td>
<td>Invertebrates</td>
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<td>BIOE 124</td>
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<td>BIOE 125</td>
<td>California Ecosystems</td>
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<td>BIOE 129</td>
<td>Biology of Marine Mammals (lab optional)</td>
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<td>BIOE 165</td>
<td>Marine Conservation Biology</td>
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<td>BIOE 171</td>
<td>Disciplinary Communications for Biologists</td>
<td>S</td>
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<tr>
<td>BIOE 172</td>
<td>Population Genetics</td>
<td>S</td>
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**Field Quarter Equivalencies:**

- BIOE 151ABCD Ecology & Conservation in Practice (-) = BIOE 150 + 150L + 1 EEB general elective
- BIOE 153ABCD Arctic Ecology (S18) = 1 Topical Elective + 2 EEB General Electives
- BIOE 159ABCD Marine Ecology Field Quarter (W18) = BIOE 127/L + BIOE 108 + BIOE 158L
- ENVS 107ABC Natural History Field Quarter (S18) = Topical Elective (5 units) + EEB General Elective (5 units)

**One of the following may also be used as an upper-division general elective:**

- BIOE 183W Undergraduate Research in EEB (2 units) (WS) + BIOE 183L, 193, or 195 (minimum 3 units) (FWS)
- ENVS 183 Environmental Studies Internship (5 unit)