Most upper division SoE courses are offered once a year in Fall -or- Spring.

**University Core Requirements -- UCORE**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Semester</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 105 [ROOT]</td>
<td>3</td>
<td>F, S, Su</td>
<td></td>
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<tr>
<td>ENGLISH 101 [WRTG]</td>
<td>3</td>
<td>F, S, Su</td>
<td></td>
</tr>
<tr>
<td>HD 205 or COM 102 [COMM]</td>
<td>3-4</td>
<td>F, S, Su</td>
<td></td>
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<tr>
<td>ECNS 101 [SSCI] &amp; SoE Core requirement</td>
<td>3</td>
<td>F, S, Su</td>
<td></td>
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<tr>
<td>Humanities Elective [HUM]</td>
<td>3</td>
<td>F, S, Su</td>
<td></td>
</tr>
<tr>
<td>Creative &amp; Professional Arts Elective [ARTS]</td>
<td>3</td>
<td>F, S, Su</td>
<td></td>
</tr>
<tr>
<td>Additional Elective [ARTS, HUM or SSCI]</td>
<td>3</td>
<td>F, S, Su</td>
<td></td>
</tr>
</tbody>
</table>

**Introductory Science and Math:** (fills [QUAN], [BSCI] and [PSCI] requirements for UCORE)

- **beginning Fall 2020:** WECs majors must make grades of C or higher in all science & math courses
  - Math 106 College Algebra (Pre-Calculus) | 3 | F, S, Su |
  - Math 108 Trigonometry | 2 | F, S, Su |
  - STAT 212 -or- MATH 140/171 | 4 | F, S, Su |
  - BIOLOGY 106 Organismal Biology | 4 | F, S, Su |
  - BIOLOGY 107 Cell Biology and Genetics | 4 | F, S, Su |
  - CHEM 101 -or- CHEM 105 Principles of Chemistry I | 4 | F, S, Su |
  - CHEM 102 -or- CHEM 106 Principles of Chemistry II | 4 | F, S, Su |

**School of the Environment (SoE) Core:** *Three Writing in the Major [M] courses required*

**Introduction to School of the Environment (SOE)**
- SOE 100 An Introduction to Our Environment: Geology, Ecology, and Environmental Stewardship | 1 | F |

**Earth Science:**
- SOE 210 Earth History & Evolution | 4 | F, S, Su |

**Water Science:**
- SOE 315 Water & Earth - or - | 3 | S |
- SOE 461 Watershed Management | 3 | S |

**Ecology:**
- SOE 300 Natural Resources Ecology *(must make C or higher)* | 3 | F, S |

**Society & Environment:**
- SOE 312 Natural Resources & Society [DIVR] | 3 | S |

**Spatial Analysis:**
- SOIL_SCI 368 Introduction to Geographic Information Systems (GIS) | 3 | F |

**Integrative Capstone:**
- SOE 454 Restoration Ecology [CAPS] [M] or SOE 471 International Wildlife [CAPS] | 3 | F |

**Experiential:**
- SOE 495 Internship (not TA-ship) - or - | 3 | F, S, Su |
- SOE 420 Yosemite Practicum - or - | 2-3 | Su |
- SOE 499 Special Topics/Problems - or - | 3 | F, S, Su |
- 135 hours of advisor approved work experience (Milestone packet) | 0 | F, S, Su |

**Wildlife Ecology & Conservation Sciences Major Core** *(three Writing in the Major [M] courses required)*

- SOE 204 Natural Resources Measurements *(must make C or higher)* | 4 | F |
- SOE 301 Forest Plants & Ecosystems | 3 | F |
- SOE 302 Arid Land Plants & Ecosystems | 3 | S |
- SOE 310 Methods in Wildlife Ecology *(BIO 106 with grade of C or higher)* | 4 | F |
- SOE 431 Wildlife Nutrition *(BIO 106 & BIO 107 w/grade of C or higher)* | 3 | S |
- SOE 435 Wildlife Ecology *(STAT 212 is prereq.; must make C or higher)* | 4 | S |
- SOE 438 Natural Resources Policy & Law | 3 | S |
- SOE 441 Population Ecology *(prereqs. of STAT 212 and SOE 435; STAT 412 as prereq. or concurrent)* | 4 | F |
- SOE 446 [M] Wildlife Habitat Ecology *(prereq or concurrent, SOIL_S 368)* | 3 | F |
- SOE 450 [M] Conservation Biology | 3 | S |
- STAT 412 Statistical Methods in Research *(must make C or higher)* | 3 | F, S |

**Animal Systematics/Genetics:** select two of the following courses

- BIOLOGY 428 Mammalogy | 4 | F |
- BIOLOGY 423 Ornithology | 4 | S |
- BIOLOGY 432 Biology of Amphibians & Reptiles | 4 | S |
- BIOLOGY 412 Biology of Fish | 4 | S |
- SOE 318 Wildlife Genetics (Sp. ‘21; Sp. ‘23) | 3 | SAYO |

**Professional Electives:** *(10-13 credits at 200-400 level; including six hrs. at the 300-400 level)*

- 200+ | 3 |
- 300+ | 3 |
- 300+ | 3 |