TRACK: ENVIRONMENTAL & CONSERVATION BIOLOGY
Advising Sheet for (student) ________________________________ (email) _____________________________
(date filled out) ___________________________________________ (student's year at Clark) _______________
Use this form to plan your course of study and keep track of your progress towards completing the major requirements.

**Core Courses (3)**
- BIOL 101 Introduction to Biology
- EN 101 Sustainability Science: Environment, Society and Technology
- GEOG 104 Earth System Science
  (For students taking courses prior to 2006-07, BIOL 084 or BIOL 101 AND 102 may substitute for BIOL 103.
  Students taking EN 120 prior to 2007 may use this instead of EN 101)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Semester</th>
<th>Semester</th>
</tr>
</thead>
</table>

**Mathematics (2)**
- Two Calculus courses (e.g. MATH 120 Calculus I, and MATH 121 Calculus II)
- or two statistics courses (e.g., BIOL 106 Introduction to Biostatistics and BIOL 206 Advanced Biostatistics )
  (Track advisor needs to approve a second statistics course so it is at an appropriate level)
- or One Calculus course (e.g. MATH 120) and one Statistics course (e.g. BIOL 106)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Semester</th>
</tr>
</thead>
</table>

**Biology Core Courses (4)**
- BIOL 102 Introduction to Biology II
- BIOL 118 Genetics
- BIOL 105 Evolution
- BIOL 216 Ecology

<table>
<thead>
<tr>
<th>Semester</th>
<th>Semester</th>
<th>Semester</th>
<th>Semester</th>
</tr>
</thead>
</table>

**Chemistry (2)**
- CHEM 101 Introductory Chemistry I
- CHEM 102 Introductory Chemistry II
  CHEM 103 (Accelerated Intro to Chemistry) may be used as a replacement for BOTH of these, in which case only one chemistry course would be required.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Semester</th>
</tr>
</thead>
</table>
**Research Course in Biology** (1)
- BIOL 201 Ecology of Atlantic Shores
- BIOL 224 Ecology of Disease Vectors
- BIOL 254 Molecular Ecology of Forest Fungi
  (Or other field course approved by the ECB track advisor)
- BIOL 219 Physiological Ecology of Marine Algae
- BIOL 242 Animal Behavior

**Seminar Course in Biology** (1)
- BIOL 217 Ecology of Infectious Disease
- BIOL 243 Seminar in Evolution
- BIOL 256 Biology of Symbiosis
- BIOL 223 Topics in Marine Biology
- BIOL 208 Conservation and Effective Practice

**Natural Science Elective** (3, at least one 200 level; at least two in the natural sciences or math and computer science*)
- BCMB 271 Biochemistry I
- BIOL 110 Introduction to Botanical Diversity
- BIOL 114 Marine Biology
- BIOL 116 Forest Ecology
- BIOL 119 Herpetology
- CHEM 131 Organic Chemistry I
- CHEM 142 Environmental Chemistry
- EN 120 Discovering Environmental Science
- EN 241 Environmental Toxicology
- GEOG 102 Weather and Climate
- GEOG 190 Introduction to Geographic Information Systems
- GEOG 205 Introduction to Hydrology
- GEOG 232 Landscape Ecology
- GEOG 282 Advanced Remote Sensing
- GEOG 293 Introduction to Remote Sensing
- PHYS 110 Introductory Physics

(Or other courses approved by the ECB track advisor)

*Natural sciences include Biology, Chemistry and Physics

**Courses in Environment and Society** (2)
- ECON 157 Economics of Natural Resources
- EN 177 Health and the Urban Environment
- EN 203 Water: The Socio-Ecological Perspective
- EN 207 Climate Change, Energy and Development
- EN 245 Natural Resource Management
- EN 264 Environmental and Social Epidemiology
- EN 268 Global Renewable Energy Systems
- GEOG 180 Earth Transformed by Human Action
- GEOG 224 Economy and Environment
- GEOG 280 Urban Ecology: Cities and Ecosystems
- PHIL 131 Environmental Ethics

(Or other course in social science with emphasis on public policy approved by the ECB track advisor)

**Honors**
Candidates for honors must apply to the ES director and complete at least two semesters of independent research.

**Honors Directed Research (EN 297)** | Semester