**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

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<th>Core Courses (3)</th>
<th>Semester</th>
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**Mathematics (2)**
- Two Calculus courses (e.g. MATH 120 Calculus I, and MATH 121 Calculus II)
  or Two Statistics courses with at least one at the 200-level (e.g., BIOL 106 Introduction to Biostatistics and BIOL 206 Advanced Biostatistics, or GEOG 110 Intro. to Quant. Methods and GEOG 247 Interm. Quant. Methods)
  or One Calculus course (e.g. MATH 120) and One Statistics course (e.g. BIOL 106)

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<th>Math and Statistics (2)</th>
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**Biology Core Courses (4)**
- BIOL 102 Introduction to Biology II
- BIOL 118 Genetics
- BIOL 105 Evolution
- BIOL 216 Ecology

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**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.

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<th>Chemistry (2)</th>
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### Research Course in Biology (1)
- BIOL 201 Ecology of Atlantic Shores
- BIOL 208 Conservation and Effective Practice
- BIOL 224 Ecology of Disease Vectors
- BIOL 233 Animal Locomotion
(Or other field course approved by the ECB track advisor)
- BIOL 219 Physiological Ecology of Marine Algae
- BIOL 242 Animal Behavior
- BIOL 258 Small Scale Land Conservation
- EN 290 Capstone in Environmental Science

### Seminar Course in Biology (1)
- BIOL 208 Conservation and Effective Practice
- BIOL 243 Seminar in Evolution
- BIOL 256 Biology of Symbiosis
(Or other field course approved by the ECB track advisor)
- BIOL 223 Topics in Marine Biology
- BIOL 290 Science Careers and Effective Practice

### Natural Science Elective (3, at least one 200 level)
- BCMB 271 Biochemistry I
- BIOL 110 Introduction to Botanical Diversity
- BIOL 114 Marine Biology
- BIOL 119 Herpetology
- BIOL 209 The Genome Project
- BIOL 212 Microbiomes
- BIOL 237 Epigenetics
- CHEM 131 Organic Chemistry I
- EN 120 Discovering Environmental Science
- GEOG 102 Weather and Climate
- GEOG 116 Forest Ecology
- GEOG 205 Introduction to Hydrology
- GEOG 232 Landscape Ecology
- GEOG 283 Terrestrial Ecosystems & Global Change
- PHYS 110 Introductory Physics
(Or other courses approved by the ECB track advisor)

### Courses in Environment and Society (2)
- EN 207 Climate Change, Energy and Development
- EN 277 Sustainable Consumption and Production
- EN 242 Sustainable Development Assessment & Planning
- EN 245 Natural Resource Management
- MGMT 252 Green Business Management
- PHIL 131 Environmental Ethics
(or other course in social science with emphasis on public policy or resource management approved by ECB track advisor)
- GEOG 136 Gender and Environment
- GEOG 180 Earth Transformed by Human Action
- GEOG 179 Global Environmental Justice
- GEOG 224 Economy and Environment
- GEOG 261 Decision Methods for Environ Mgmt & Policy
- GEOG 280 Urban Ecology: Cities as Ecosystems
Capstone Course
Identify which one of the courses taken to fulfill a major requirement satisfies the capstone requirement. This is not an extra course requirement to those listed above.

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<th>Capstone Course</th>
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Honors
Candidates for honors must apply to the ES director and complete at least two semesters of independent research.

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<th>Honors Directed Research (EN 297)</th>
<th>Semester</th>
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