

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

Core Courses (3) | Semester

➤ 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)

Math and Statistics (2) | Semester

➤ Biology Core Courses (4)

BIOL 102 Introduction to Biology II

BIOL 118 Genetics

BIOL 105 Evolution

BIOL 216 Ecology

Biology Core Courses (4) | Semester

➤ 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.

Chemistry (2) | Semester

➤ 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

Research Course in Biology (1) | Semester

➤ 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

Seminar Course in Biology (1) | Semester

➤ 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)

Natural Science Elective (3) | Semester

➤ 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

Courses in Environment and Society (2) | Semester

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.

Capstone Course | Semester

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
