

# TRACK: ENVIRONMENTAL & CONSERVATION BIOLOGY FOR ACADEMIC YEAR 2008-09

Advising Sheet for (student) \_\_\_\_\_ (email) \_\_\_\_\_

*Use this form to plan your course of study and keep track of your progress towards completing the major requirements.*

## ➤ Core Courses (3)

BIOL 103 Principles of Environmental and Conservation Biology

EN 101 Sustainability Science: Environment, Society and Technology

GEOG 104 Earth Systems 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.

### Core Courses (3) | Semester

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## ➤ Math and Statistics (2)

MATH 120 Calculus I and BIOL 106 Quantitative Methods in Biology

or two statistics courses (e.g., GEOG 110 Introduction to Quantitative Methods and GEOG 247 Intermediate Quantitative Methods

Track advisor needs to approve a second statistics course so it is at an appropriate level.

### Math and Statistics (2) | Semester

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## ➤ Biology Core Courses (4)

BIOL 102 Introduction to Biology II

BIOL 118 Genetics

BIOL 105 Evolution

BIOL 216 Ecology

### Biology Core Courses (4) | Semester

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## ➤ Chemistry (2)

CHEM 101 Introductory Chemistry I

CHEM 102 Introductory Chemistry II

CHEM 103 may be used as a replacement for BOTH of these, in which case only one chemistry course is required.

### Chemistry (2) | Semester

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**➤ Research Course in Biology (1)**

BIOL 201 Ecology of Atlantic Shores  
BIOL 224 Ecology of Disease Vectors  
BIOL 254 Molecular Systematics and Evolution  
Or other field course approved by the ECB track advisor.

BIOL 219 Physiological Ecology of Marine Algae  
BIOL 242 Animal Behavior

**Research Course in Biology (1) | Semester**

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**➤ 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 207 Conservation Biology

**Seminar Course in Biology (1) | Semester**

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**➤ Natural Science Elective (1)**

BCMB 271 Biochemistry I  
BIOL 114 Marine Biology  
BIOL 244 Biological Clocks  
EN 120 Discovering Environmental Science  
GEOG 102 Weather and Climate  
GEOG 115 Introduction to Hydrology  
GEOG 282 Advanced Remote Sensing  
PHYS 110 Introductory Physics  
Or other course approved by the ECB track advisor.

BIOL110 Introduction to Botanical Diversity  
BIOL 116 Forest Ecology  
BIOL 302 Applied Ecology  
CHEM 142 Environmental Chemistry  
EN 241 Environmental Toxicology  
GEOG 114 Intermediate Geomorphology  
GEOG 190 Raster GIS  
BIOL 206 Vector GIS  
GEOG 216 Field Methods of Environmental Science  
GEOG 232 Landscape Ecology  
GEOG 234 The Geography of Fire

**Natural Science Elective (1) | Semester**

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**➤ Courses in Environment and Society (2)**

ECON 157 Economics of Natural Resources  
GEOG 126 Living in the Material World  
GEOG 224 Economy and Environment  
GOVT 157 Politics of U.S. Environmental Issues  
PHIL 131 Environmental Ethics  
Or other course in social science with emphasis on public policy approved by the ECB track advisor

EN 207 Climate Change, Energy and Development  
GEOG 180 Earth Transformed by Human Action  
GEOG 250 Technology and Environmental Assessment  
GEOG 271 Groundwater Hydrology and Management  
GOVT 276 Environmental Law  
GEOG 281 Tropical Ecology

**Courses in Environment and Society (2) | Semester**

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**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**

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