

Colby Environmental Science Major

Class of 2020

Foundation Courses Required

ES 118: Environment and Society
ES 271: Introduction to Ecology

BI 163: Cellular Basis of Life
BI 164: Evolution and Diversity

EC 133: Microeconomics
EC 231: Env. and Natural Resource Economics

Science and Math Courses Required

Humans and the Environment Choose two of the following:

Focus Area Four or courses (see p. 2)

Chemistry or Physics

CH 147: Honors General Chemistry

OR

CH 141/142: General Chemistry I and II

OR

PH 141: Foundations of Mechanics I (or **PH143**)

AND

PH 145: Foundations of Electro. & Optics

Geology/GIS (one of the following)

ES 212: Intro to GIS & Remote Sensing OR

ES 214: Intro to GIS & Spatial Analysis

GE 141: Earth & Environment

GE 142: Deep Time Planet Earth

(either **GE141 OR 142** required for Env. Geology focus area)

Mathematics

MA 121: Single-variable calculus

AND

For Conservation Biology, Marine Science, Applied Ecology, or Environment and Public Health focus areas:

SC 212: Elementary Statistics

For Climate, Env. Geo. or Env. Chem. focus area:

MA 122: Series and Multi-variable Calculus

Anthropology

AY 256: Land, Food, Culture, Power

Economics

EC 341: Natural Resource Economics

EC 476: Economics of Ecosystem Services

Environmental Studies

ES 212 or ES214: Intro to GIS*

ES 233: Environmental Policy

ES 234: International Environmental Policy

ES 242: Marine Conservation and Policy*

ES 265: Global Public Health*

ES 276: Global Change Ecology*

ES283: Env Hum: Stories of Crisis & Resilience

ES 319: Conservation Biology*

ES337: Climate Fiction

ES 343: Environmental Change*

ES 344: Marine Fisheries Management*

ES 346: Global Food Policy

ES 347: Tropical Forests & Rural Livelihoods

ES 358j: Ecological Field Study*

ES364: Climate Change, Justice and Health

ES 366: Environment and Human Health*

History

HI 346: Global Health History

HI 394: Ecological History

Philosophy

PL 216: Philosophy of Nature

PL 243: Environmental Ethics

PL 328: Radical Ecologies

Science, Technology, and Society

ST 215: Weather, Climate, and Society

Culminating Experience

Choose one of following based on focus area

For Ec&Con, Aq&Mar, EcosEcol, & CL&En

ES 494: Problems in Environmental Science

OR Bigelow Semester and writing project

For Public Health

ES 493: Environmental Policy Practicum OR

ES 494: Problems in Environmental Science

Senior Colloquia Required

ES 401 and 402: Senior Colloquium

(Can take simultaneously with 4 other courses)

Notes:

* Cannot also count for science or focus group

Additional course options may be approved by the ES Program Director

Colby Environmental Science Major Focus Areas

Choose one of the following Focus Areas

Biodiversity & Conservation	Aquatic Sciences (Freshwater & Marine)	Ecosystem Ecology	Public Health	Energy & Climate	Independent Focus																																																											
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