

# ENGAGING THE NATURAL WORLD PATHWAY

## Overview

The *Engaging the Natural World* Pathway focuses on scientific, ecological, and Earth systems literacy and problem-solving skills because all human beings live and act in a world not of our own making. *Engaging the Natural World* trains students to analyze and respond to the forces and phenomena that shape our physical world and the conditions of our lives, whether at the cosmic, planetary, local, or microscopic level. Through the courses in this Pathway, students learn to shape human responses to nature for a more positive, sustainable, and innovative way of living.

Majors restrict Pathway Certificates to encourage a breadth of skills-development beyond their program. A Engaging the National World Pathway Certificate may be earned within a major as a **second certificate** for students in the following majors:

Biology (BA or BS)  
 Climate Studies (BS)  
 Conservation Law Enforcement (BS)  
 Exercise Sport Physiology (BS)  
 Meteorology (BS)  
 Nursing (BS)  
 Social Science (BS)  
 Sustainability Studies (BA)

## Degree Requirements

Course	Title	Credits
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All human beings live and act in a world not of our own making. Engaging the Natural World trains students to analyze and respond to the forces and phenomena that shape our physical world and the conditions of our lives, whether at the cosmic, planetary, local, or microscopic level. Courses in this pathway explore how their various disciplines observe and interpret nature and shape human responses to it for more positive, sustainable, and innovative ways of living.

### Pathway Certificate Requirements 15-16

To attain a Pathway certificate in Engaging the Natural World, students must complete 15-16 credits from the following list of courses, including at least two courses at the 3000 level or higher from this list:

AR 3575	Art and Sustainability
BI 2030	Invertebrate Zoology
BI 2040	Vertebrate Zoology
BI 2070	Botany
BI 3240	Conservation (DICO,GACO)
BI 4750	Plant Diversity & Evolution
BIDI 1400	Plagues and Peoples (PPDI)
CJ 3700	Conservation Law Enforcement
ENDI 1555	Wilderness Literature (SSDI)
ESDI 2610	Earth Systems Science: The Hazardous Earth (SIDI)
ESP 2100	Introduction to Environmental Science and Policy I
ESP 3900	Oceanography (GACO)
HI 1340	Facing Beasts: Animals in the Middle Ages and Beyond (Non gen-ed version of existing course)

HIDI 1340	Facing Beasts: Animals in the Middle Ages and Beyond (PPDI)
MT 2000	Fundamentals of Meteorology and Climatology (GACO)
MTDI 1250	Weather and Climate (SIDI)
MTDI 1500	Severe and Hazardous Weather (SIDI)
NR 3150	Pharmacology
PHDI 2200	Introductory Astronomy (SIDI)
SO 3040	Environmental Justice
SO 3605	Sustainability in Practice (WECO)
SO 3620	Environment and Society
SU 2111	Introduction to Sustainability Studies
SU 3112	Social Science Perspectives on Sustainability (DICO,GACO)
SU 4111	Sustainability Project Design
<b>Total Credits</b>	<b>15-16</b>