

# ENVIRONMENTAL STUDIES MAJOR (BA)

Department of Environmental Studies and Science (<https://catalog.washcoll.edu/catalog/departments-programs/environmental-science-studies/>)  
Division of Natural Sciences and Mathematics

The Environmental Studies major (B.A.) evaluates the interactions of humans and the natural world through an interdisciplinary lens. The Environmental Studies Major prepares students to critically analyze and investigate potential solutions to local, regional, and global environmental issues. This major is broad in perspective, using courses in the humanities and the social sciences, as well as the natural sciences.

## Environmental Studies Major (B.A.) Requirements

Code	Title	Credits	Notes
<b>Introductory Courses</b>		<b>8</b>	
ENV 101 & ENV 102	Intro to Environmental Studies with Lab and Intro to Environmental Studies Lab		
ENV 117	Intro Env & Natural Resource Economics		
<b>Select 1 Introductory Science Sequence (BIO 111 and BIO 112 or CHE 120 and CHE 220)</b>		<b>8</b>	
BIO 111 & BIO 113	General Biology I with Lab and General Biology I Lab		
BIO 112 & BIO 114	General Biology II with Lab and General Biology II Lab		
CHE 120 & CHE 122	Chem Principles Org Molecules with Lab and Chemical Principals Orgnc Molecules Lab		
CHE 220 & CHE 222	Quantitative Chemical Analysis with Lab and Quantitative Chemical Analysis Lab		
<b>Select 1 Earth Science Course From Below</b>		<b>4</b>	
ENV 140	Exploring the Solid Earth with Lab		
ENV 141	Atmosphere, Ocean & Environment w/Lab		
<b>Select 1 Ecology Course From Below</b>		<b>4</b>	
ENV 242	Applied Ecology <sup>1</sup>		
BIO Course <sup>2</sup>			
<b>Select 1 Environmental Chemistry Course From Below</b>		<b>4</b>	
CHE/ENV 110	Chemistry of the Environment with Lab <sup>4</sup>		
CHE/ENV 210	Environmental Chemistry with Lab <sup>3</sup>		
<b>Take 8 Credits From Courses Below (many have prerequisites) <sup>5</sup></b>		<b>8</b>	
ENV/BIO 221	The Bermuda Environment		
ENV 222	Summer Env. Studies Ecuador		
ENV 240	Earth and Planetary Systems with Lab		
ENV 244	Environmental Communication		
ENV 302	Conservation & Wildlife Techniques		
ENV 305	Marine Conservation		
ENV 311	Field Methods in Environmental Science		
ENV 312	Watershed Biogeochemistry		
ENV 313	Wetlands Ecology w/ Lab		

ENV 314	Energy and the Environment	_____
ENV 315	Restoration Ecology	_____
ENV 319	Sustainability & the Environment	_____
ENV 320	Climate Change	_____
<b>Select 1 Math Course From Below</b>		<b>4</b>
MAT 106 & MAT 107	Stretch Differential Calculus I and Stretch Differential Calculus II	_____
MAT 109	Statistical Inference & Data Analysis I	_____
MAT 111	Differential Calculus	_____
<b>Philosophy Course</b>		<b>4</b>
PHL 102	Contemporary Moral Issues	_____
<b>Select 3 Courses From Below, (must be from at least two subjects)</b>		<b>12</b>
ANT/ENV 107	Intro to Environmental Archaeology	_____
ANT 208	Archaeological Method	_____
ANT/ENV 109	Intro to Geographic Information Systems	_____
ANT/ENV 137	Culture & Environments of the Chesapeake	_____
ART 241	Environmental Art	_____
ART 494	Special Topics (Seeing Ecologically)	_____
ART 310	Art & Nature in Med & Early Modern Eur.	_____
CRS 244	Humanities Perspective on the Chesapeake (if enrolled in the Chesapeake Semester)	_____
ENG 347	American Environmental Writing	_____
ENV 294	Special Topics (Disease Ecology)	_____
ECN 317	Environmental Economics	_____
ECN 318	Natural Resource Economics	_____
ENV 335	Global Environmental Politics	_____
ENV 394	Special Topics	_____
PHL 303	Environmental Ethics	_____
PHL 310	Philosophy of Science	_____
SOC/ENV 370	Environmental Sociology	_____
SOC 394	Special Topics (Sociology and Agriculture)	_____
<b>Junior and Senior Seminars</b>		<b>2</b>
ENV 392	Environmental Studies Junior Seminar (1 credit)	_____
ENV 491	Environmental Studies Senior Seminar I (1 credit)	_____
<b>Senior Capstone Experience (ENV SCE)</b>		<b>2-4</b>
<b>Total Credits</b>		<b>60-62</b>

<sup>1</sup> for students intending to take BIO 111/BIO 113 and BIO 112/BIO 114

<sup>2</sup> for students not intending to take BIO 111/BIO 113 and BIO 112/BIO 114 General Biology II Lab

<sup>3</sup> for students intending to take CHE 120/CHE 122 and CHE 220/CHE 222

<sup>4</sup> for students not intending to take CHE 120/CHE 122 and CHE 220/CHE 222

<sup>5</sup> ENV Special Topics (as approved by the ENV Dept Chair)

## Advising notes for the Environmental Studies B.A.

Students pursuing a physics track within the environmental studies major can substitute PHY 111 and/or PHY 112 for the introductory science sequence, after consultation with and written approval from an ENV Department Chair.

Students majoring in Environmental Studies and minoring in Biology can double count a maximum of 3 courses (BIO 111/BIO 113 & BIO 112/ BIO 114 plus 1 approved upper-level BIO or ENV elective) towards their Environmental Studies major and BIO minor.

Students majoring in Environmental Science or Biology should plan to take either BIO 206 Ecology with Lab or ENV 242 Applied Ecology. Only one of the two courses will count towards your ENV and BIO major.

To complete the Biology minor, an additional 4 upper-level BIO courses are required.

Students majoring in Environmental Studies and minoring in any discipline can double count a maximum number of courses, based on the total number of courses required for the minor, as detailed below:

- 5 course minor: 1 course overlap with Environmental Studies major
- 6 course minor: 2 course overlap with Environmental Studies major
- 7 course minor: 3 course overlap with Environmental Studies major

Students majoring in Environmental Studies and who study abroad can transferring in a maximum of two upper level elective classes towards their Environmental Science degree from their study abroad institution.

## Major

- Environmental Science Major (BS) (<https://catalog.washcoll.edu/catalog/departments-programs/environmental-science-studies/environmental-science-bs/>)

## Minor

- Chesapeake Regional Studies Minor (<https://catalog.washcoll.edu/catalog/interdisciplinary/chesapeake-regional-studies-minor/>)
- Environmental Studies Minor (<https://catalog.washcoll.edu/catalog/departments-programs/environmental-science-studies/environmental-science-studies-minor/>)
- Museum, Field, and Community Education Minor (<https://catalog.washcoll.edu/catalog/interdisciplinary/museum-field-community-education-minor/>)

## Certificate

- Secondary Education Certification Program (<https://catalog.washcoll.edu/catalog/departments-programs/education/secondary-education-certification-program/>)