ENVIRONMENT AND SUSTAINABILITY, ENVIRONMENTAL SCIENCE TRACK, (BS IN INTERDISCIPLINARY STUDIES)

The Environment & Sustainability Program

The Environment & Sustainability Program (ENSP) seeks to provide students with the ability to recognize the complex environmental problems threatening our planet and create potential paths towards a more sustainable future. Taking courses in the natural sciences, social sciences, and humanities, students majoring and minoring in ENSP develop an interdisciplinary toolkit to identify, analyze, and ameliorate the most pressing environmental issues of our time.

Majors have the option to pursue one of three tracks: Environmental Humanities (B.A.), Environmental Science (B.S.), or Environmental Policy (B.A.). Each track provides students with the opportunity to obtain more depth in their area of interest. ENSP graduates regularly find an array of employment opportunities in business, government, and non-profit organizations. In addition, many ENSP graduates go on to pursue advanced degrees in environmental science, environmental studies, business, law, and other disciplines.

For further information, updates, and additional descriptive visit https://www.wm.edu/environment.

Required Credit Hours: 32

Course Requirements

The following courses are required proficiencies and are not included in ENSP Science Track credit total:

- Adv. Math Proficiency - MATH 131 Calculus I for Life Sciences (or MATH 111 or MATH 108 or Equivalent Course) (4 cr)
- Introduction to Biology - **BIOL 204+**BIOL 204L Introduction to Organisms, Ecology, Evolution Laboratory (4 cr)
- Introduction to Geology - GEOL 101 The Dynamic Earth: Physical Geology/GEOL 110 Earth's Environmental Systems: Physical Geography+GEOL 160 Investigating the Earth: Introductory Geology Laboratory OR GEOL 250 Geologic Evolution of VA (4 cr)
- Introduction to Chemistry - CHEM 103 General Chemistry I + CHEM 103L General Chemistry Lab I (4 cr)

Code	Title	Hours
Introduction to Environment & Sustainability		**3**
ENSP 101	Introduction to Environment and Sustainability	
Introduction to Environmental Policy		**3**
Select one of the following:		
ENSP 201	Introduction to Environmental Policy	
PUBP 201	Intro to Public Policy	
Methods in Environment & Sustainability		
Select one of the following:		3
CONS 210	Introduction to Conservation GIS	
CONS 301	Quantitative Methods in Conservation	
ECON 307	Principles and Methods of Statistics	
ECON 308	Econometrics	
GIS 201	Introduction to Geographic Information Systems and Spatial Analysis	
GOVT 391	Topics in Government (Quantitative Methods)	
or other approved GIS or Statistics course		
Speaker Series on Environment & Sustainability		**1**
ENSP 250	Seminar Topics in Environmental Science and Policy	
Additional Env Natural Science Course in Biology		**3**
Select one of the following:		
BIOL 302	Integrative Biology: Animals	
BIOL 304	Integrative Biology: Plants	
BIOL 311	Ecology	
BIOL 312	Evolution of Organisms	
BIOL 318	Conservation Biology	
BIOL 410	Animal Behavior	
BIOL 417	Population and Community Ecology	
BIOL 428	Entomology	
BIOL 457	Marine Invertebrate Biology	
BIOL 460	Advanced Seminar in Biology (Marine Ecology)	
Additional Env Natural Science Course in Geology		
Select one of the following:		3
GEOL 203	Age of Dinosaurs	
GEOL 207	Planetary Geology	
GEOL 212	Global Climate Change	
GEOL 305	Environmental Geology	
GEOL 310	Regional Field Geology	
GEOL 325	Paleontology	
or other approved course		
Natural Science Course with Field Lab Component		**4**
Select one of the following:		
BIOL 416	Intro to Ornithology	
BIOL 426	Aquatic Ecology	
BIOL 427	Wetland Ecosystems	
BIOL 428 & 428L	Entomology and Entomology Lab	
GEOL 311	Field Methods in the Earth Sciences	
GEOL 314	Watershed Dynamics	
GEOL 315	Hydrology	
GEOL 316	Environmental Geochemistry	
GEOL 320	Earth Surface Processes	
GEOL 324	Paleoclimatology & Paleoceanography	
or other approved course		
Environmental Ethics & Justice		
Select one of the following:		3
CONS 370	Environmental Justice	
CONS 401	Conservation Ethics	
ENSP 350	Emergent Ecologies	

GEOL 350	Earth Science for Environmental Justice	
PHIL 308	Issues in Environmental Ethics	
or other approved course		
Environmental Social Sciences		
Select one of the following:		
ANTH 304	The Anthropocene	
ANTH 315	Environ Archaeology	
ANTH 322	Archaeology of North America	
ANTH 338	Native Cultures of South America	
ANTH 351	People, Cultures, and the Environment of Polynesia	
BUAD 446	Consumer Behavior	
BUAD 453	Sustainability Inspired Innovation and Design	
CONS 371	Political Ecology of Conservation	
CONS 372	Sustainable Livelihoods	
ECON 322	Environmental and Natural Resource Economics	
ECON 323	Economics of Climate Change	
EDUC 317	Topics in Ed Studies (Educating for Climate Justsice)	
ENSP 320	Topics in Environmental Social Sciences	
GOVT 320	Political Economy of Extreme Weather	
GOVT 322	Global Environmental Politics	
GOVT 391	Topics in Government (Political Economy of Climate Change)	
SOCI 353	Environmental Sociology	
SOCI 442	Political Ecology of Health & Disease (Or other approved course)	
Environmental Humanities		
Select one of the following:		3
ANTH 250	Introduction to Native Studies	
ANTH 352	Environmental Anthropology	
ARTH 282	Art and Ecology	
ARTH 430	Seminar Topics in Art History (Art & Environmental Justice)	
CONS 410	Indigenous Knowledges & Conservation	
ENGL 372	Studies in Contemporary Literature (Literature of the Anthropocene)	
ENGL 381	Topics in British Literature Before 1700 (Early Modern Ecologies)	
ENSP 310	Topics in Environmental Arts, Literature, & Film	
FMST 401	Seminar in Film and Media Studies (Eco Cinema)	
HISP 370	Environmental Cultures	
HIST 226	American West, 1890-	
ITAL 322	Ecocritical Italy: Narrating the Anthropocene	
JAPN 308	Topics in Japanese Literature and Culture (Cultures of Catastrophe)	
or other approved course		
Capstone Experience		
Select one of the following:		3
ENSP 440	Special Topics in Environmental Science and Policy	
ENSP 490	Independent Research	
ENSP 496	Honors	
ENSP 498	Internship	
Major Computing & Writing Requirement		
Select one of the following: [1]		3
ENSP 440	Special Topics in Environmental Science and Policy	
ENSP 490	Independent Research	
ENSP 495	Honors	
ENSP 498	Internship	
Total Hours		**32**