

# ENVIRONMENTAL SCIENCE AND CONSERVATION MAJOR, B.S.

Course	Title	Credits
<b>Required Core</b>		
BIOLOGY 1650	The Unity of Life	5
BIOLOGY 1750	The Diversity of Life	5
<b>Chemistry - Choose from CHEMISTRY 1050, CHEMISTRY 1450, or CHEMISTRY 1140 and CHEMISTRY 1240</b>		<b>5-8</b>
CHEMISTRY 1050	Survey of General Chemistry	
CHEMISTRY 1450	Chemistry for Engineers	
CHEMISTRY 1140 & CHEMISTRY 1240	General Chemistry I and General Chemistry II	
ENVSS 1040	Planet Earth	4
ENVSS 2370	The Land Ethic	3
ENVSS 2380	Land Ethic Practicum I	3
ENVSS 3230	Geographic Information Systems	4
ENVSS 3330	Environmental Conservation	3
SEJ 2230	Introduction to Social and Environmental Justice	3
<b>Required Supporting Courses</b>		
<b>Mathematics</b>		
MATH 1830 or MATH 2640	Elementary Statistics Calculus and Analytic Geometry I	3-4
<b>Environmental Policy (Choose one)</b>		<b>3</b>
CRIMLJUS 4250	Environmental and Wildlife Crime	
ENERGY 4130	Sustainability Policy and Practice	
POLISCI 2540	Introduction to Public Policy	
<b>Environmental Ethics</b>		
PHLSPHY 3440 or PHLSPHY 3540	Environmental Ethics Science, Technology, and Ethics	3
<b>Natural Processes (Choose two; students who take more than two courses from the Natural Processes list may be able to apply any additional course(s) to the Natural and Physical Science concentration)</b>		<b>6-8</b>
ENVSS 3140	Global Landforms	
ENVSS 3240	Meteorology	
ENVSS 3340	Biogeography	
ENVSS 3570	Fire Ecology	
ENVSS 4150	Global Environmental Change	
<b>Environmental Research, Environmental Internship (Choose two)</b>		<b>2-9</b>
BIOLOGY 3460	Ecological Methods and Research <sup>1</sup>	
ENVSS 3950	Guided Research (Repeatable)	
ENVSS 4660	Cooperative Field Experience	
<b>Environmental Research Synthesis and Dissemination</b>		
ENVSS 4950	Environment and Society Seminar	3
<b>Environmental Science and Conservation Concentrations</b>		<b>12</b>
Students will take at least 9 credits from their chosen concentration below. At least one course must be from a different discipline than the other chosen courses. Students will also take at least 3 credits from the other concentration.		
<b>Natural and Physical Science Concentration</b>		
BIOLOGY 2130	Plants and Society	
BIOLOGY 2450	Fungi, Algae and Bryophytes	
BIOLOGY 2640	Invertebrate Zoology	
BIOLOGY 3030	Ornithology	
BIOLOGY 3230	Mammalogy	
BIOLOGY 3240	Microbiology	
BIOLOGY 3450	Ecology and Evolution	

BIOLOGY 3650	Plant Communities of Wisconsin
BIOLOGY 3750	Freshwater Biology
BIOLOGY 4710	Selected Regional Habitats
CHEMISTRY 3110	Environmental Chemistry Lab
CHEMISTRY 3130	Environmental Chemistry
ECORES 3020	Restoration Revegetation
ECORES 3410	Wetland Ecology, Restoration and Management
ENERGY 2340	Fundamentals of Energy Sources
ENERGY 3130	Sustainability: Ecology, Resources and Practice
ENERGY 3230	Biorenewable Resources
ENVENG 3340	Environmental Engineering
ENVENG 4300	Hydrology
ENVENG 4310	Groundwater Hydrology
ENVSS 3520	Remote Sensing of the Environment
ENVSS 3750	The Western Trip: Regional Studies of Environment and Society in the Western United States
ENVSS 4760	Place-Based Pursuits in Environmental Sciences and Society
GEOLOGY 3430	Hydrogeology
SCSCI 2230	Soils
SCSCI 4350	Soil and Water Conservation
<b>People and Planet Concentration</b>	
AGBUS 2330	World Population, Food and Resources
ECONOMIC 2230	Principles of Microeconomics
ECONOMIC 2940	The Political Economy of Race, Gender and Ethnicity
ENERGY 2130	Energy, Environment, and Society
ENERGY 3430	Green Building Design
ENTRP 2010	Social Context of Creativity, Innovation and Entrepreneurship
ETHNSTDY 1030	Race, Gender, and Class in the U.S.
ETHNSTDY 2130	The Native American Experience
ETHNSTDY 2200	Introduction to Ethnic Studies
ETHNSTDY 3230	Social Inequalities
ETHNSTDY 3770	Native American Art
ENVSS 1330	World Regional Geography
ENVSS 3120	Geography of the Driftless Area
ENVSS 3170	Space, Place, and Gender
ENVSS 3850	Geography of the National Parks
HISTORY 3010	Race, Gender, and United States Labor History
HISTORY 3160	US Legal History of Race and Gender
HISTORY 3860	History of Western Science
HISTORY 3890	History of Science and Technology in Europe: Faculty-Led Short-Term Intl Exp
MEDIA 1630	Introduction to Mass Media
POLISCI 3750	International Human Rights
ANTH 1130	Introduction to Anthropology
ANTH 2130	Cultural Anthropology
SOCIOLGY 2230	Gender and Society
SOCIOLGY 2330	Contemporary Social Problems
SOCIOLGY 3250	Society and the Environment
SOCIOLGY 3530	Rural Sociology
WOMGENDR 2730	Women in Science and Engineering

**Total Credits****67-80**

<sup>1</sup> BIOLOGY 2420 is a prerequisite, and BIOLOGY 3450, or consent of instructor, is a corequisite.