

# Environmental Studies Option

This option is designed for students interested in developing a broad understanding of environmental issues from scientific and public policy perspectives. In addition to required foundations courses (BIOB 170IN, EARTH 101IN, GPHY 121D, STAT 216Q, and PHL 322 or HSTA 470), students select 21 credits each from approved list of science and public policy courses. Twelve credits of science and of public policy must be upper division courses (300 or 400 level). BIOB 170IN, EARTH 101IN, STAT 216Q, and LS 499R may overlap with Core. Proposed substitutions must be submitted in writing to the program advisor or director.

	Credits	
	Fall	Spring
<b>Freshman Year</b>		
LS 101US - Interdisciplinary Ways of Knowing	3	
WRIT 101W - College Writing I	3	
BIOB 170IN - Principles of Biological Diversity	4	
University Core	3	
Electives	2	
ERTH 101IN - Earth System Sciences		4
GPHY 121D - Human Geography		3
Public Policy Electives (see below)		6
Year Total:	15	13
<b>Sophomore Year</b>		
LS 301 - Integrative Seminar	1	
Liberal Studies Requirements	6	
Public Policy Electives (see below)	3	
University Core	3	
Electives	3	
STAT 216Q - Introduction to Statistics		3
Liberal Studies Requirements		6
Natural Science Electives (see below)		3
University Core		3
Year Total:	16	15
<b>Junior Year</b>		
LS 301 - Integrative Seminar	1	
PHL 322 - Philosophy & Environmental Ethics	3	
Natural Science Electives (see below)	3	
Public Policy Electives (see below)	3	
University Core	3	
Electives	2	
Natural Science Electives (see below)		6
Public Policy Electives (see below)		6
Electives		3
Year Total:	15	15
<b>Senior Year</b>		
LS 301 - Integrative Seminar	1	
Natural Science Electives (see below)	6	
Public Policy Electives (see below)	6	
Electives	3	

LS 499R - Senior Capstone	4
Natural Science Electives (see below)	3
Public Policy Electives (see below)	3
Electives	5
Year Total:	16
<b>Total Program Credits:</b>	<b>120</b>

Per MSU requirements for the degree, a minimum of 42 credits must be in courses numbered 300 and above.

## Natural Sciences Electives to be chosen from

ANSC 491	Special Topics	1-4
BIOB 420	Evolution	3
BIOE 103CS	Environmental Science and Society	3
BIOE 370	General Ecology	3
BIOE 405	Behavioral and Evolutionary Ecology	3
BIOE 416	Alpine Ecology	3
BIOE 421	Yellowstone Wildlife Ecology	3
BIOE 427RN	Research in Freshwater Ecology	3
BIOE 428	Freshwater Ecology	3
BIOE 440R	Conservation Biology	3
BIOO 162CS	Insects and Human Society	3
BIOO 220	General Botany	3
CHMY 143	College Chemistry II	4
CHMY 153	Honors College Chemistry II	4
ENSC 110	Land Resources and Environmental Sciences	3
ENSC 245IN	Soils	3
ENSC 272CS	Water Resources	3
ENSC 444	Watershed Hydrology	3
ENSC 454	Landscape Pedology	3
ENSC 460	Soil Remediation	3
ENSC 461	Restoration Ecology	3
ERTH 212RN	Yellowstone: Scientific Lab	4
ERTH 303	Weather and Climate	3
ERTH 307	Principles of Geomorphology	4
ERTH 432R	Surface Water Resources	3
GEO 103CS	Intro to Environmental Geology	4
GEO 105IN	Oceanography	3
GEO 420	Hydrogeology	3
GPHY 411	Biogeography	3
GPHY 426	Remote Sensing	3
GPHY 441R	Mountain Geography	4
HORT 105	Introduction to Horticulture	3
HORT 345	Market Gardening	3
NRSM 101	Natural Resource Conservation	3
NRSM 102	Montana Range Plants	1
NRSM 240	Natural Resource Ecology	3
NRSM 330	Fire Ecology and Mgmt	3
NRSM 353	Grazing Ecology and Management	3
NRSM 455	Riparian Ecology & Management	3
WILD 201	Intro to Fish and Wildlife	1
WILD 438	Wildlife Habitat Ecology	3

Up to 12 credits required in a minor or in a second degree program may be applied toward the Natural Science and Public Policy electives.

**Public Policy electives to be chosen from**

AGBE 210IS	Economics of Ag Business	3
AGBE 337	Agricultural Law	3
AGSC 465R	Health, Agriculture, Poverty	4
BMGT 406	Negotiation/Dispute Resolution	3
ECHM 205CS	Energy and Sustainability	3
ECNS 101IS	Economic Way of Thinking	3
ECNS 132	Econ & the Environment	3
ECNS 317	Economic Development	3
ECNS 332	Econ of Natural Resources	3
GPHY 141D	Geography of World Regions	3
GPHY 284	Intro to GIS Science & Cartog	3
GPHY 321	Urban Geography	3
GPHY 322	Economic Geography	3
GPHY 326	Geography of Energy Resources	3
GPHY 329	Environment and Society	3
GPHY 365	Geographical Planning	3
GPHY 384	Adv GIS and Spatial Analysis	3
GPHY 402	Water and Society	3
HSTA 468	History of Yellowstone	3
HSTA 470	American Environmental History	3
HSTR 484	World Environmental History	3
LS 103	Gateway to Sustainability Studies	3
LS 301	Integrative Seminar	1-3
LS 450	Evolution and Public Opinion	3
NRSM 421	Holistic Thought/Mgmt	4
NRSM 430	Natural Resource Law	3
PSCI 210IS	Introduction to American Government	3
PSCI 347	The U.S. Congress and the Legislative Process	3
PSCI 362	Natural Resource Policy	3
PSCI 436	Politics of Food & Hunger	3
RLST 223IH	Sacrifice, Rite & Ritual	3
SFBS 146	Introduction to Sustainable Food and Bioenergy Systems	3
SFBS 445R	Culinary Marketing: Farm/Table	3
SOCI 355	Population and Society	3
SOCI 470	Environmental Sociology	3

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