

# B.A. Earth and Environmental Systems, Environmental Systems Concentration

## Program Admissions Requirements

There are no program admission requirements for the B.A. Earth and Environmental Systems, Environmental Systems Concentration.

## General Education

The listing below includes program requirements that also fulfill General Education requirements.

Code	Title	Credits
Objective 1		6
Objective 2		3
Objective 3 - MATH 1147 or MATH 1143 and MATH 1144		3
Objective 4		6
Objective 5 - BIOL 1101, BIOL 1101L and CHEM 1111		8
Objective 6 - ECON 2201, ECON 2202		6
<b>Students must fulfill Objective 7 or Objective 8</b>		<b>3</b>
Objective 7		
Objective 8		
Objective 9		3
<b>Total Credits</b>		<b>38</b>

## Major Requirements

Code	Title	Credits
<b>Core Courses</b>		
The required Core Courses provide a solid background in Geosciences and other subjects. Environmental Systems include physical, biological and human systems; thus, the program incorporates course work in Biological Sciences, Physical and Social Sciences, and Mathematics. Some of these courses may satisfy General Education requirements.		
GEOL 2204 & 2204L	Fluid Earth and Fluid Earth Lab	4
GEOL 2205 & 2205L	Solid Earth and Solid Earth Lab	4
GEOL 3392	Geosciences Careers Seminar	1
GEOL 3315	Evolution of the Earth's Surface	4
GEOL 4403	Principles of Geographic Information Systems	3
BIOL 1101 & 1101L	Biology I and Biology I Lab (Partially satisfies General Education Objective 5)	4
BIOL 1102 & 1102L	Biology II and Biology II Lab	4
BIOL 2209 & 2209L	General Ecology and General Ecology Laboratory	4
CHEM 1111 & 1111L	General Chemistry I and General Chemistry I Lab (Partially satisfies General Education Objective 5)	5

MATH 1147	Precalculus (Satisfies General Education Objective 3)	5
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or

MATH 1143 & MATH 1144	Precalculus I: Algebra and Precalculus II: Trigonometry	
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## Environmental Systems Concentration Requirements

This concentration combines courses in the social sciences with core science courses to develop broad-based knowledge in Environmental Science, the history and practice of environmental policy, and sociological and philosophical aspects of the environment. This emphasis track will train students interested for careers related to environmental policy and management.

ECON 2201	Principles of Macroeconomics (Partially satisfies General Education Objective 6)	3
ECON 2202	Principles of Microeconomics ((Partially satisfies General Education Objective 6)	3
GEOL 4410	Science in American Society	2
HIST 4430	Global Environmental History	3
MATH 1153 or MATH 3350	Statistical Reasoning Statistical Methods	3
PHIL 4455 or PHIL 2250	Environmental Ethics Contemporary Moral Problems	3
POLS 4455	Environmental Politics and Policy	3
<b>Select one methods course from the following:</b>		<b>3</b>
HIST 2291	Introduction to Research	
POLS 4453	Public Policy Analysis	
SOC 3308	Sociological Methods and Social Work Research	

## Select 4 elective courses, not used to satisfy other requirements, from the following: 12

GEOL 3310	Geologic Field Methods	
GEOL/HIST 4471	Historical Geography of Idaho	
HIST 4432	U.S. Environmental History	
POLS 2221	Introduction to International Relations	
POLS 4408	Urban Spaces	
POLS 4409	Community Planning	
POLS 4453	Public Policy Analysis	
SOC 4435	Environmental Sociology	
SOC 4491	Topics in Sociology	

Or other approved electives.

**Total Credits 73**

ENGL 3307 Professional and Technical Writing is recommended for all students.

## Degree Totals

Code	Title	Credits
	Program Admission Requirements	0
	General Education	38
	Major Requirements (Required General Education credits removed.)	56
	Upper Division Free Electives	3
	Free Electives	23
	<b>Total Credits</b>	<b>120</b>

ISU Degree Requirements (<https://coursecat.isu.edu/undergraduate/degreerequirements/>)

ISU General Education (<https://coursecat.isu.edu/undergraduate/academicinformation/generaleducation/>)

Major Academic Plan (MAP)