# 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 | | 6 |
| **Students must fulfill Objective 7 or Objective 8** | | **3** |
| Objective 7 | | |
| Objective 8 | | |
| Objective 9 | | 3 |
| **Total Credits** | | **38** |

## Major Requirements

| Code | Title | Credits |
|---|---|---|
| **Core Courses** | | |
| 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 | Fluid Earth | 4 |
| GEOL 2205 | Solid Earth | 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 | 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 | 5 |
| MATH 1147 | Precalculus (B.A.) | 5 |
| or | | |
| MATH 1143 & MATH 1144 | Precalculus I: Algebra and Precalculus II: Trigonometry | |
| **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 | 3 |
| ECON 2202 | Principles of Microeconomics | 3 |
| GEOL 4410 | Science in American Society | 2 |
| HIST 4430 | Global Environmental History | 3 |
| MATH 1153 | Statistical Reasoning | 3 |
| or MATH 3350 | Statistical Methods | |
| PHIL 4455 | Environmental Ethics | 3 |
| or PHIL 2250 | Contemporary Moral Problems | |
| POLS 4455 | Environmental Politics and Policy | 3 |
| **Select one methods course from the following:** | | **3** |
| 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. | | |

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.) | | 57 |
| Upper Division Free Electives | | 12 |
| Free Electives | | 13 |
| **Total Credits** | | **120** |

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

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

Major Academic Plan (MAP)