Environmental Science, Minor
ASENVMIN

Description

The environmental science minor provides students with a fundamental understanding of how the natural world functions as a system, how changes in this system influence organisms and humans, and in turn, how this system is impacted by humans. Students who complete this minor have the foundational knowledge to apply environmental concepts and awareness to their future careers. Many career fields have environmental applications including business and entrepreneurship, the health industry, economics, and academic research careers.

An understanding of human-environment interactions gained through this minor will augment students’ major field of study and empower them to leverage their future careers to address environmental issues. To accommodate broad interests for students from a variety of majors, the curriculum is designed to allow students to explore their interests by choosing from categories of scientific coursework and skill-based curricula to provide applied experiences for students from a variety of majors.

At a Glance

- **College/School:** New College of Interdisciplinary Arts and Sciences
- **Location:** West campus, ASU@Lake Havasu

Program Requirements

Minor Map (Archives)
2019 - 2020 Minor Map

The minor in environmental science consists of 15 credit hours, of which 12 credit hours must be upper-division. A minimum of nine credit hours must be taken through the School of Mathematical and
Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

**Core Requirement -- 6 credit hours**

- ENV 201: Fundamentals of Environmental Science (3)
- IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) or IAS 409 / PHI 409: Eco-Community Ethics (HU) or PHI 310: Environmental Ethics (HU) (3)

**Upper Division Electives -- 9 credit hours**

Choose a minimum of nine credit hours from the following categories. Students may choose freely from among the categories; it is not necessary to take one from each or all from one category.

- **Global/Ecosystem Focus:**
  - BIO 422: Ecosystem Ecology (3)
  - CHM 302: Environmental Chemistry (3)
  - ENV 410: Soil Science (4)
  - LSC 434: Marine Ecology (3)
  - MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory (4)

- **Organismal Focus:**
  - BIO 370: Vertebrate Zoology (4)
  - BIO 385: Comparative Invertebrate Zoology (4)
  - BIO 410: Techniques in Conservation Biology and Ecology (L) (3)
  - BIO 412: Conservation in Practice (3)
  - BIO 474: Herpetology (4)
  - PLB Upper Division Elective (3-4)

- **Skills in Environmental Science:**
  - ENV 345: Spatial Analysis in the Environmental Sciences (3)
  - ENV 385: Environmental Impact Assessment (3)
  - ENV 388: Research Fundamentals for the Natural Sciences (L) (3)
  - ENV 499: Individualized Instruction (1-3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements**
GPA Requirement: 2.00

Incompatible Majors: BS and BA environmental science

Other Enrollment Requirements: This first course in this minor (ENV 201) has prerequisites of BIO 181, BIO 182 and CHM 116.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor. Students should contact their academic advisor for more information.

Contact Information

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