

Environmental Science, Minor

ASENVMIN

Are you passionate about protecting Earth for future generations? In this program, you acquire the knowledge and understanding needed to help solve some of the globe's biggest challenges and communicate those solutions to others.

Description

The environmental science minor program 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 how this system is impacted by humans.

An understanding of human-environment interactions gained through this minor will augment students' major field of study. 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.

At a glance

- **College/School:** [New College of Interdisciplinary Arts and Sciences](#)
- **Location:** [West Valley, ASU at Lake Havasu](#)

Program requirements

[2024 - 2025 Minor Map](#)

[Minor Map \(Archives\)](#)

The minor in environmental science consists of 15 credit hours of coursework, of which a minimum of 12 hours must be upper division. A minimum of six upper-division credit hours must be completed through courses offered by the School of Mathematical and Natural Sciences. Credit hours may not be shared between major and minor requirements. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours

ENV 201: Fundamentals of Environmental Science (SUST) (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 (SUST OR 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 (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 388: STEM Research Fundamentals (3)

ENV 485: Environmental Impact Assessment (CIVI OR L) (3)

ENV 499: Individualized Instruction (1-3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

Enrollment requirements

GPA Requirement: None

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. 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.

Career opportunities

Students who complete this major have the foundational knowledge they need to apply environmental concepts and awareness to their future careers.

Many career fields have environmental applications, including:

- academic research
- business
- economics
- entrepreneurship
- health

Career opportunities are many, including positions in:

- environmental policy agencies
- management or leadership in federal and state agencies
- municipality planning offices
- nongovernmental and nonprofit organizations
- private consulting firms

Contact information

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