

Environmental and Resource Management, **Minor**

ESERMMIN

Description

The minor program in environmental and resource management provides students with a thorough introduction to environmental regulations and key environmental management issues, such as the provision of clean, potable water; wastewater treatment; and solid and hazardous waste management; as well as remediation technologies for polluted soils, groundwater and air. Students learn to apply basic science and engineering principles to solving problems that significantly impact human health and ecosystems.

The environmental and resource management minor program provides a valuable option to other majors that focus on environmental issues, whether from a technical or a policy perspective. The courses form a coherent whole and demonstrate the connection between science, engineering, public policy, management and the law.

At a glance

- **College/School:** [Ira A. Fulton Schools of Engineering](#)
- **Location:** [Polytechnic](#)

Program requirements

[2024 - 2025 Minor Map](#)
[Minor Map \(Archives\)](#)

The minor requires completion of four core courses (12 credit hours) and two elective courses (six credit hours) for a total of 18 credit hours. At least 12 credit hours must be completed in residency at ASU. Courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Core Courses -- 12 credit hours

ERM 201: Environmental Management (3)

ERM 203: Environmental Regulations (3)

ERM 302: Water and Wastewater Treatment Technology (3)

ERM 401: Hazardous Waste Management (3)

Electives (choose two) -- 6 credit hours

ERM 402: Unit Treatment Technologies (3)

ERM 406: Environmental Chemistry (3)

ERM 407: Occupational Hygiene (3)

ERM 426: Environmental Issues (3)

ERM 428: International Environmental Management (G) (3)

ERM 432: Sustainable Solid Waste Management (3)

ERM 494: Algal Bioprocess and Biosystems Engineering (3)

ERM 494: Environmental Health (3)

ERM 494: Environmental Management Leadership (3)

ERM 494: Water and Food Security (3)

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

Enrollment requirements

GPA Requirement: 2.00

Incompatible Majors: BS in environmental and resource management

Other Enrollment Requirements: Interested students must have at least sophomore status.

Students should consult with an advisor in The Polytechnic School to verify eligibility and to review all courses required for the minor. To schedule an advising appointment, students should go to the [advising website](#).

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 or the minor program. Courses taken for the minor may not count toward both the major and minor.

Career opportunities

Graduates with the skills gained in this minor are in high demand and can find work in industry, governmental management and regulatory agencies, and in policymaking organizations.

Contact information

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