

## Program Objective

The objective of the certificate program is to broaden a student's knowledge of the environment and the issues threatening its well being as well as to provide policy and planning information that may help them gain employment or advance their current careers. The advantage of a certificate program over a minor is that the certificate is equally accessible to individuals who do not have a college degree as it is to those who do.

The certificate also may serve as a first step for students considering entering a degree program, but who are hesitant or unable to make a commitment to a degree program at the present time. The courses required for the certificate are also core courses for the BGS with a major concentration in Environmental Management and Policy. Students who acquire the certificate may use it as a stepping-stone to a full degree.

*For returning students, contact the*

*School of Continuing Education  
83 Windham Street  
Willimantic, CT 06226*

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Environmental Earth  
Science Department  
Eastern Connecticut State University  
83 Windham Street  
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# Environmental Management and Policy

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## Certificate Program

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Environmental Earth Science Department  
Eastern Connecticut State University

# Certificate in Environmental Management and Policy

The Environmental Management and Policy Certificate is a cluster of related courses focusing on environmental issues for individuals who want to expand their knowledge of the environment, environmental management, and environmental policy. For returning students interested in pursuing a college degree, the certificate program provides a stepping stone to the Bachelor of General Studies, with major concentration in Environmental Management and Policy.

## Students will focus on

- The major environmental issues confronting environmental managers (who work for corporations, businesses, government, industries, and non-profit organizations)
- The basic scientific concepts of environmental management
- State and federal laws that govern activity in the environmental field
- How to incorporate environmental protection considerations into business

## Environmental Earth Science at Eastern Connecticut State University

Certificate Requirements (15 credits)	
BIO 308	General Ecology (3 cr.)
EES 220	Environmental Geology (3 cr.)
EES 304	Environmental Issues (3 cr.)
EES 320	Environmental Management (3 cr.)
PSC 351	Environmental Politics and Policy (3 cr.)

The certificate program in

### Environmental Management and

Policy is designed for

professionals,

practitioners, citizens, and

students who wish to strengthen

their knowledge of the environment.



## Course Descriptions

**BIO 308 General Ecology**—An overview of the scientific study of interactions among organisms and their physical environment, progressing in complexity from the organism, to the population, to the community, to the ecosystem. Topics covered include: physiological ecology, population dynamics, factors that determine the distribution and relative abundances of species, organization of communities and ecosystem dynamics. Three hours lecture per week.

**EES 220 Environmental Geology**—Environmental geology is the application of geologic information to the entire spectrum of interactions between people and the physical environment. In this course we will develop an understanding of geology's role in major environmental problems facing people and society.

**EES 304 Environmental Issues**—An interdisciplinary course for non-science majors exploring the relationships between natural, social, and political systems and environmental problems. Issues such as air and water pollution, energy resources, and hazardous waste are covered.

**EES 320 Environmental Management**—This course will give students a toolbox of analytical techniques used in natural resources management. The objective is to prepare students to work in private or public sector environmental analyst positions. Topics will include environmental law, environmental impact analysis, and environmental modeling. **Note:** Consent of instructor for non-EES majors

**PSC 351 Environmental Politics and Policy**—An examination of the evolution and impacts of environmental policy within the context of American government. Focus primarily on pollution control policy and energy issues, and their impacts on politics and society.