

Graduate Certificate - Environmental Hazard Mitigation and Restoration

The graduate certificate in Environmental Hazard Mitigation and Restoration is a unique blend of the disciplines of emergency and disaster management and environmental science and restoration. This online program introduces you to response and recovery functions, and restoration of damaged lands or habitat. You'll also learn principles of ecological restoration in the post-disaster environment, and how to assess and navigate the complex relationships between societies and their use of natural resources. This online certificate is intended for graduate students who want to expand their knowledge of environmental hazard mitigation and restoration without committing to a degree program.

Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Define the principles of ecological restoration and hazard mitigation.
- Analyze the complex and dynamic interactions between humans and their environment.
- Explain the role of government policy at municipal, regional, national, and global levels to achieve sustainable natural disaster response and environmental mitigation.
- Apply theoretical concepts of emergency and disaster management planning to complex environmental problems and issues.
- Apply principles of ecological restoration in the post-disaster environment.
- Critically analyze complex and often-competing social, environmental, and economic interests in developing hazard mitigation and restoration plans.

Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
EDMG502	Emergency and Disaster Theory	3
EDMG515	Hazard Mitigation and Resilient Communities	3
EVSP506	Restoration Ecology	3
Select 3 courses from the following:		9

EDMG503	Emergency and Disaster Planning and Management	
EVSP560	Environmental Risk Assessment	
EVSP594	Environmental Toxicology	
EVSP628	Global Environmental Change	
Total Semester Hours		18