UNITY COLLEGE
Distance Education

UNDERGRADUATE CERTIFICATE IN ENVIRONMENTAL GIS

Make your passion your career.

Accredited | 100% Online | 8 Start Dates a Year

Undergraduate Certificate in Environmental Geographic Information Systems (GIS)

Gain professional experience with a certificate that prepares you for high-tech careers in government, business, consulting, and environmental non-profit organizations. In this certificate program, students focus on the environmental sciences involving GIS. Geospatial Technology is an emerging field of study that includes Geographic Information System (GIS), Remote Sensing (RS) and Cartography. Geospatial technology enables us to acquire data that is referenced to the earth and use it for analysis, modeling, simulations and visualization.

Cost: $470 per credit
Military Discount: $423

Certificate Credit Requirements

24 Credits Earned

Program Length

Earn your certificate in as little as 20 weeks.

Program Features

+ **One-on-one academic and professional advising** as our world-class faculty and trained staff strive to make your professional and academic goals a reality.
+ **Unity College** is an accredited institution by New England Commission of Higher Education (NECHE).
+ **Experiential Online.** Experiential programs are delivered 100% online with field work designed with the working professional in mind.
+ **Study when and where you want** and finish your certificate while still working full-time.
+ **Make professional connections** with leaders in your field.

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UNDERGRADUATE CERTIFICATE IN ENVIRONMENTAL GIS CHECKSHEET

Student Name / Total Transfer Credits / Checksheet Date

Graduates of the Undergraduate Certificate in Environmental GIS will be able to:

+ **Create, organize, interpret, and analyze** geospatial data.
+ **Identify and quantify** environmental geospatial patterns.
+ **Use geospatial technology** to help address local, regional, and global environmental problems.
+ **Develop GIS workflows and solutions** based on the environmental needs.
+ **Collect and analyze data** from various geospatial sources.

Program Core

Complete 9 credits from the following:

- ☐ **ENVS 101** Sustainable Solutions to Globalization
- ☐ **ENVS 201** The Warming Planet: Understanding Climate Change
- ☐ **ESCI 101** Geology and Our Environment
- ☐ **EVPC 201** Environmental Issues: Deforestation, Biodiversity Loss, and Overpopulation
- ☐ **EVPC 202** Environmental Issues: Energy, Water Scarcity, and Waste

Complete 15 credits from the following:

- ☐ **CIST 101** Introduction to Coding for Environmental Applications
- ☐ **GISC 101** Introduction to Geographic Information Systems (GIS)
- ☐ **GISC 201** Geographic Information Systems for a Changing World
- ☐ **GISC 301** Applied Spatial Analysis and GIS Application
- ☐ **GISC 303** Conservation Cartography and Visualization
- ☐ **GISC 305** Environmental Impact Using Remote Sensing
- ☐ **GISC 307** Field Data Collection for GIS
- ☐ **GISC 401** Advanced GIS Analysis for Environmental Solutions

Certificate Requirements:

24 credits earned

2.00 minimum cumulative undergraduate level grade point average