

Make your passion
your career.

Accredited | 100% Online | 8 Start Dates a Year

Graduate Certificate in Environmental Geographic Information Science (GIScience)

Environmental scientists can analyze and interpret environmental data while Geographic Information Systems (GIS) scientists can manage and manipulate data. Unity College's Environmental GIScience Graduate Certificate will prepare students to meld the two by integrating spatial technologies and environmental information. Hands-on experience through online projects and research will engage students in course activities and allow for increased comprehension of the science, concepts, and skills they need to become leaders in their chosen environmental fields.

Cost: \$650 per credit
Military Discount: \$585

Certificate Credit Requirements

15 Credits Earned
3.00 minimum cumulative graduate level grade point average

Program Length

Earn your certificate in as little as 24 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.

Graduate Certificate in Environmental Geographic Information Science (GIScience)

Unity College's Environmental GIScience Certificate will prepare students to use remote sensing and GIS to solve environmental problems. Experiential learning through online projects and research will engage students in course activities and allow for increased comprehension of the science, concepts, and skills they need to become leaders in their chosen environmental fields.

Demand for employees trained in GIS skills is 19% higher than the national average.

Get free access to the GIS software, ArcGIS, for use in your classes

Graduates will be able to:

- + **Identify and gather** many different types of environmental data produced by government agencies, industry, academia, and popular media.
- + **Quality check, analyze, and process** spatial data related to real-world environmental issues.
- + **Critically analyze** course project and capstone research results.
- + **Use environmental GIS data** and information produced by government agencies, industry, academia, and popular media effectively and with discernment.
- + **Identify potential funding sources** for research projects and prepare competitive responses to RFPs.
- + **Identify and discuss** the ethical dimensions and policy issues related to environmental research.

Complete the following courses:

- GISC 505** GIS and Remote Sensing for Environmental Solutions
- GISC 510** Advanced GIS and Remote Sensing for Ecological Applications
- GISC 515** Environmental Research Methods
- GISC 520** Creating Maps and Graphics of Ecosystem Change
- GISC 605** Modeling Our Changing World

Certificate Requirements:

15 credits earned

3.00 minimum cumulative graduate level grade point average