

Make your passion
your career.

Accredited | 100% Online | 5 Start Dates a Year

Master's in Environmental Geographic Information Science

Combining technical GIS and data analysis skills with organization and communication skills, the MPS in Environmental Geographic Information Science will give you the skills and credentials you need to advance in your career path. This program will prepare you to meld the two by integrating spatial technologies and environmental information. The central distinguishing feature of the online GIS degree is to focus on understanding the environment through geospatial technologies.

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

Job Outcomes, Growth*, & Salary**

GIS Technician
\$ \$88k 📈 +7

GIS Scientist
\$ \$62k 📈 +7

GIS Analyst
\$ \$45k 📈 +2

*Projected 10-year growth

**National median salary

Source: O*Net

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 degree while still working full-time.
- + **Make professional connections** with leaders in your field.
- + **Get job placement assistance** through our career services department.
- + **Finish in 12 months** if you choose to take the full course load.

Master's in Environmental Geographic Information Science

Environmental scientists can analyze and interpret environmental data while geographic information systems (GIS) scientists can manage and manipulate data. This degree will prepare students to meld the two by integrating spatial technologies and environmental information. Students will collaborate with their peers and current/potential employers to learn concepts and skills necessary to complete their work and research in the program. This multidisciplinary education program will also encourage students to report upon their research through scientific communication to both scientists and the general public upon graduation.

Job Outcomes, Growth*, & Salary**



GIS Technician

Median Salary: **\$88k**

Growth: **+7**

GIS Technicians build, maintain, modify, or use geographic information systems (GIS) databases. They are also responsible for performing custom application development and providing user support.

GIS Scientist

Median Salary: **\$65k**

Growth: **+7**

GIS Scientists perform surveying and mapping duties to obtain data used for construction, map making, boundary location, mining, or other purposes. They calculate map making information and create maps from source data to show topographical features, political boundaries, and other features.

GIS Analyst

Median Salary: **\$63k**

Growth: **+2**

GIS Analysts study how to improve, and protect natural resources to maximize their use without damaging the environment. They also conduct soil surveys and develop plans to eliminate soil erosion or to protect rangelands.

*Projected 10-year growth

**National median salary

Source: O*Net

Graduates of the Master’s in Environmental Geographic Information Science 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.

Program Core

- 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

Professional Skills Core

- PROF 505** Strategic Management of Innovation
- PROF 510** Communication for Environmental Professionals
- PROF 515** Ethical Practice and Policy
- PROF 590** Capstone I
- PROF 690** Capstone II

Degree Requirements

30 credits earned
3.00 minimum cumulative graduate-level grade point average