

ADVANCE YOUR CAREER

MASTER OF PROFESSIONAL SCIENCE

Accredited | 100% Online | 5 Start Dates a Year

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.

PROGRAM FEATURES

- + 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.
- + Finish in 12 months if you choose to take the full course load.
- + 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.
- + Make professional connections with leaders in your field.
- + Get job placement assistance through our career service department.
- + Unity Environmental University is an accredited institution by New England Commission of Higher Education (NECHE).



DISTANCE EDUCATION

COSTS

- + \$650 per credit | Military Rate: \$585
- + Full time financial aid is available to students taking as few as 3 credits/term.
- + No textbooks to purchase in over half of our courses!

CAREER 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



ENVIRONMENTAL GEOGRAPHIC INFORMATION SCIENCE



JOB OUTCOMES, GROWTH*, & SALARY**

At Unity Environmental University, we understand the importance of aligning education with your passions and career goals. That's why our courses are thoughtfully designed to equip you with the knowledge and skills necessary to pursue a rewarding career with gainful employment in your chosen field. Additionally, our faculty consists of experienced professionals who bring real-world insights, providing you with valuable mentorship and guidance. At Unity, you will find exceptional career development resources and experiential opportunities to further enhance your employability and help you achieve your professional aspirations.



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



DISTANCE EDUCATION

UNOFFICIAL MPS CHECKSHEET ENVIRONMENTAL GEOGRAPHIC INFORMATION SCIENCE

Student Name _____

Total Transfer Credits _____ Checksheet Date _____

ENVIRONMENTAL GEOGRAPHIC INFORMATION SCIENCE PROGRAM

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.

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.

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

Environmental Geographic Information Science 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

Degree Requirements

30 credits earned

21 credits earned at Unity Environmental University

3.00 minimum cumulative graduate level Grade Point Average