

Early College Career Pathways: Geographic Information Systems

The Early College Geographic Information Systems (GIS) Pathway is designed for students who wish to enhance their future with skills in geospatial technology. Coursework stresses hands-on service learning along with relevant theory, giving students practical experience in solving real-world problems.

This pathway may lead to programs in a variety of majors at UMaine Machias, including:

- B.S. in Environmental Geographic Information Science with concentrations in:
 - ° Community Applications
 - ° Ecological Applications
 - ° Spatial Data Science
- Undergraduate certificates in Geographic Information Systems Applications (Basic and Advanced)

Completion of these programs will allow students to pursue careers such as:

- Cartography
- · Community, regional and urban planning
- Geospatial analysis
- GIS applications development
- Land conservation
- Land use and land records mapping
- Project management

GIS skills are in-demand in a broad and growing range of industries and employers, including:

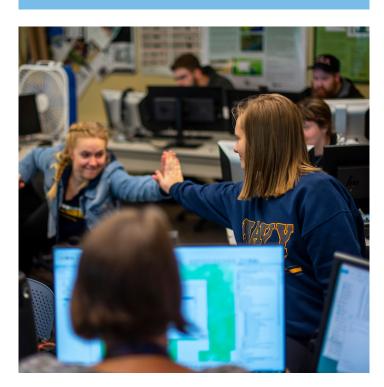
- · Nonprofit organizations
- Environmental advocacy
- Education
- · State, federal and tribal governments
- Marine, earth and life sciences
- Resource extraction

Delivery: Hybrid or 100% online Credits: 15

Pathway Requirements:

- ☐ GIS 102: Our Digital Earth
- ☐ GEO 101: Introduction to Geography
- ☐ ENG 101 : Composition and Presentation 1
- ☐ GIS 204: Introduction to Global Navigation Satellite Systems
- ☐ GIS 300: Geographic Information
 Systems

Courses are listed in recommended sequence.



Get a Head Start on Your College Degree! Sign up at machias.edu/earlycollege

For more information contact 207.255.1268 or ummearlycollege@maine.edu

