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 the following programs at UMM:

- 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

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