

Geographic Information Systems, Graduate Certificate (Online)

The Graduate Certificate in Geographic Information Systems program offers hands-on training to give students the necessary skills and understanding to apply GIS competently and effectively. The curriculum offers instruction in GIS theory, practical hands-on exposure to GIS software and hardware, study of the representation of data in mapped and tabular forms, and experience in planning and constructing spatial databases. Standard fields using GIS include healthcare, public safety, environmental management, transportation and operations technology, real estate, and public utilities.

Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

Required Courses

| Code | Title | Hours |
|-------------|--|--------------|
| GIS 5103 | Foundations of Geospatial Science and Technology | 2 |
| GIS 6210 | Geospatial Applications | 2 |
| GIS 6220 | Geospatial Programming | 2 |
| GIS 6230 | Advanced Geospatial Analysis | 2 |
| GIS 6240 | Geospatial Predictive Analytics | 2 |
| RMS 5105 | Fundamentals of Remote Sensing | 2 |

Program Credit/GPA Requirements

12 total semester hours required

Minimum 3.000 GPA required