

# GEOGRAPHY

## Geographic Information Systems Certificate

*This 18 credit-hour certificate provides students with the skills and knowledge necessary to effectively apply Geographic Information Systems (GIS) and related technologies and methodologies in various business and public sector domains as a technician or analyst. This certificate provides course work and hands-on experience in cartographic design, spatial analysis, spatial database design, the fundamentals of remote sensing, as well as the use of geographic computing devices and accessories.*

### Required:

Number	Course Title	Credits
GEG 150	Introduction to Geospatial Technologies .....	3
GEG 151	Geospatial Data Acquisition and Management .....	3
GEG 152	Spatial Analysis .....	3
GEG 153	Applied Geospatial Technologies .....	3
GEG 154	Introduction to Remote Sensing .....	3

### Electives: Select three credit hours from the following courses:

Number	Course Title	Credits
CIS 106	Computer Logic and Programming Technology <sup>1</sup> .....	3
GEG 100	Cultural Geography .....	3
GEG 101	World Regional Geography .....	3
GEG 103	The Developing World .....	3
GEG 111	Physical Geography .....	3
GEG 155	Geographic Information Systems (GIS) Internship .....	1-3

<sup>1</sup> Placement into MTH 101 or higher.