

GEOGRAPHY
 One-Year GIS Certificate
 Catalog 2009-2010

The Geography program provides students with education in a variety of geographic theory, digital mapping and spatial database technology including GIS, GPS, remote sensing, and spatial analysis techniques. Instruction emphasizes application to a variety of fields through hands-on learning with state-of-the-art hardware, software, and other mapping tools. Graduates may seek employment as GIS Technicians, GIS Specialists, or GIS Analysis with government and private industry that rely on geospatial information for managing resources, planning, transportation, emergency response, and other location-based services. Degree options include a one year Certificate or a two year Associate of Science (AS). The certificate is appropriate for persons interested in developing skills in geospatial technologies to use in their current profession or for those seeking immediate employment as a technician. The AS is designed to provide a more comprehensive education in GIST and is appropriate for students seeking employment as technicians and analysts, or those wishing to transfer to a four-year degree program elsewhere.

				Credit Hours	Grade
1st Semester					
___	COSC 125	Business Microcomputer Applications		3	___
___	GEOG 112	World Regional Geography OR			
___	GEOG 145	Human Geography		3	___
___	GEOG 115	Map Use, Interpretation & Design		4	___
___	GEOG 118	Introduction to Mapping Technologies		4	___
			Total	14	
2nd Semester					
___	COSC 185	Database Management Systems		3	___
___	GEOG 111	Introduction to Physical Geography		4	___
___	GEOG 120	GPS and Surveying Methods		4	___
___	GEOG 151	Geographic Information Systems I		4	___
			Total	15	

Total credit hours required for this certificate is 29