

**GEOGRAPHIC INFORMATION SCIENCE TECHNOLOGY  
CERTIFICATE  
Catalog 2005-2007**

The Geographic Information Science Technology (GIST) program provides students with education in 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 Analysts 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 and a two year Associate of Applied Science (AAS). 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 AAS is designed to provide a more comprehensive education in GIST and is appropriate for students seeking employment as technicians and analysts.

			<b>Credit Hour</b>
<b>1st Semester</b>			
GIST	111	Introduction to Mapping Technologies	4
GIST	115	Map Use, Interpretation & Design	4
SPCH	110	Public Speaking OR	
SPCH	111	Interpersonal Communication	3
COSC	125	Business Microcomputer Applications	3
MATH	185	College Algebra	3
			Total 17 credits
<b>2nd Semester</b>			
GIST	120	GPS and Surveying Methods	4
GIST	151	Geographic Information Systems I	4
COSC	185	Database Management Systems (Access)	3
GEOG	155	Introduction to Physical Geography	4
			Total 15 credits

**Total credit hours required for this certificate is 32**