

GEOGRAPHIC INFORMATION SCIENCE TECHNOLOGY
 CERTIFICATE
 Catalog 2008-2009

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 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 Specialist, 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.

Certificate Requirements

1st Semester

_____	COSC 125	Business Microcomputer Applications	3	_____
_____	GIST 111	Introduction to Mapping Technology	4	_____
_____	GIST 115	Map Use, Interpretation & Design	4	_____
_____	MATH 185	College Algebra	3	_____
_____	SPCH 110	Public Speaking OR		
_____	SPCH 111	Interpersonal Communication	<u>3</u>	_____
		Total	17	

2nd Semester

_____	COSC 185	Database Management Systems (Access)	3	_____
_____	GEOG 155	Introduction to Physical Geography	4	_____
_____	GIST 120	GPS and Surveying Methods	4	_____
_____	GIST 151	Geographic Information Systems I	<u>4</u>	_____
		Total	15	

Total credit hours for this certificate is 32