

# GEOGRAPHIC INFORMATION SCIENCE - CERTIFICATE

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GIS technologies are applied to wide-ranging fields with interests in spatially distributed information such as transportation, environmental/resource management, marketing, facility management, healthcare delivery, agriculture and planning. The need for qualified individuals in Geospatial Technologies is increasing. The GIS certificate program has been designed to meet this demand.

This certificate will appear on the official Texas A&M University transcript and a paper certificate will be issued by the Office of the Registrar. Courses in the program are taught by faculty in several departments at Texas A&M with expertise in GIS. Its administrative home lies in Geography. This certificate program is also approved for delivery via asynchronous distance education technology.

This certificate program has been designed to meet the growing demand for qualified individuals in the field. For more detailed information, please visit the program website or contact the academic advisor in the Department of Geography.

## Program Requirements

Code	Title	Semester Credit Hours
<b>Introductory Level</b>		
Select one of the following:		3
ECCB 651	Geographic Information System for Resource Management	
GEOG 660	Applications in GIS	
MARS 625	GIS Use in Coastal Resources	
PLAN 625	Geographical Information Systems in Landscape and Urban Planning	
<b>Intermediate Level</b>		
Select two of the following:		6
ECCB 652/	Advanced Topics in Geographic Information Systems	
GEOG 665	GIS-Based Spatial Analysis and Modeling	
PLAN 626	Advanced GIS in Landscape Architecture and Urban Planning	
<b>Specialized GIS Courses</b>		
Select one of the following:		3
CVEN 658	Civil Engineering Applications of GIS	
ENTO 625/	Landscape Ecology	
GEOG 625		
ECCB 660	Landscape Analysis and Modeling	
GEOG 662	GIS in Land and Property Management	
GEOG 676	GIS Programming	
GEOG 678	WebGIS	
MARS 626	Advanced GIS for Coastal Systems	
PLAN 612	Transportation in City Planning	
<b>Total Semester Credit Hours</b>		<b>12</b>