

GEOGRAPHIC INFORMATION SCIENCE - CERTIFICATE

MARS 626 Advanced GIS for Coastal Systems

PLAN 612 Transportation in City Planning

Total Semester Credit Hours

12

Geographic Information Science (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 has been designed to meet the growing demand for qualified individuals in the field. For more detailed information, please visit the GIS Certificate Program webpage, or contact the academic advisor in the Department of Geography.

This program is also approved for delivery via asynchronous distance education technology.

Program Requirements

Code	Title	Semester Credit Hours
Introductory Level		
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	
Intermediate Level		
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	
Specialized GIS Courses		
Select one of the following:		3
CVEN 658	Civil Engineering Applications of GIS	
ENTO 625/	Landscape Ecology	
GEOG 625		
	or GEOG 625/Landscape Ecology	
ENTO 625		
ECCB 660	Landscape Analysis and Modeling	
GEOG 662	GIS in Land and Property Management	
GEOG 676	GIS Programming	
GEOG 678	WebGIS	