

GEOGRAPHIC INFORMATION SYSTEMS CERTIFICATE

Tulane University offers the region's first complete certificate program in Geographic Information Systems (GIS). The Department of Earth and Environmental Sciences offer a GIS Certificate for undergraduate students and graduate students. GIS offers an integral aspect for supporting decision making in a variety of fields such as physical and environmental sciences, urban planning and management, political science, civil engineering, economy/business, education administration, real estate, public health and health care. The primary goal of the program is to ensure that students become sufficiently grounded in the concepts and theory behind GIS including organization, management, and visualization of geospatial data. Students will have the opportunity to gain valuable GIS knowledge and skills that can be applied to careers in both academia and industry. GIS certificates will provide Tulane students and professionals additional future career opportunities and enhance their present positions. The GIS certificate is a 13-hour program administered by the Department of Earth and Environmental Sciences

Requirements

Coursework consists of **two** core courses, and **two** elective courses. Students will need to complete a minimum of 13 credits while in the program. Students may transfer 6 credits of required coursework taken previously (approval needed if taken at another institution). Students cannot transfer more than 3 credits of special topics courses.

Course ID	Title	Credits
Required Courses		
EENS 3150/6150/EBIO 6150	Intro to GIS (Fall and Summer)	4
EENS 4030/6030	Advanced GIS (Spring and Summer)	3
Elective Courses		
Select two of the following:		6
EENS 4180/6180	Intro Remote Sensing (Fall)	
EENS 4380/6380	Remote Sensing for Env Anlys (Spring)	
EENS 4390/6390	Geospatial Data Analysis (Fall)	
EENS 4370	GIS Research Project	
ANTH 7096	Selected Cultural Systems (Fall)	
Special Topics ¹		
Total Credit Hours		13

¹ Student can use GIS and Remote Sensing in any research topic. (Independent study should be approved by the Director of GIS program), Fall, Spring, Summer. Students cannot exceed 3 credits for special topic courses.