GEOGRAPHIC INFORMATION SYSTEMS CERTIFICATE

The Department of Earth and Environmental Sciences at Tulane University offers a certificate program in Geographic Information Systems (GIS). GIS interfaces, like ESRI ArcGIS, are focused on integration, management and interpretation of remote and ground-based datasets and are important tools for a variety of fields, including physical and environmental sciences, life science, urban planning and management, political science, civil engineering, anthropology, economy/business, education administration, real estate, public health and health care.

The primary goal of this certificate program is to ensure that students become grounded in GIS concepts and theory including organization, management, and visualization of geospatial data, as well as in the acquisition and interpretation of remote datasets.

Requirements

A minimum of 13 credits distributed over two required courses and two electives is necessary to complete the GIS certificate. This coursework is typically completed over two years.

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 Environmental Analysis (Spring)	
EENS 4390/6390	Geospatial and Numerical Methods (Fall)	
EENS 4370	Independent Study in GIS and Remote Sensing	
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.

Contact

For more information, contact the School of Science and Engineering (https://sse.tulane.edu/eens/academics/geographic-information-systems-certificate-program/).