

Geographic Information Systems (Minor)

The Geographic Information Systems (GIS) minor provides an academic credential for students who want to develop some GIS application skills while pursuing a graduate degree in another discipline. It is designed for students who wish to master the basics of GIS analysis and to develop more advanced skills in a particular application area.

Other Requirements: A GIST graduate faculty member must be on the student's graduate committee. A list of currently approved faculty members can be provided to students upon request. If no graduate committee is required by the student's program, the student must obtain approval of his or her minor program. Students enrolled in Option B Masters programs are not eligible to declare a minor. Certificate coursework and Minor coursework must be completely independent.

Plan Requirements

Code	Title	Hours	Counts towards
Required Courses		6	
GIS 510	Fundamentals of Geospatial Information Science and Technology		
GIS 520	Spatial Problem Solving		
	or GIS 582 Geospatial Modeling		
Elective Courses		3	
See "Elective Courses" listed below			
Total Hours		9	

Elective Courses

Code	Title	Hours	Counts towards
Select three credits from the following courses:		3	
GIS 512	Introduction to Environmental Remote Sensing	3	
GIS 515	Cartographic Design	2	
GIS/LAR 517	GIS Applications in Landscape Architecture and Environmental Planning	3	
GIS 520	Spatial Problem Solving	3	
GIS 521	Surface Water Hydrology with GIS	3	
GIS 530	Spatial Data Foundations	3	
GIS 535	Web and Mobile GIS Protocols	3	

GIS 595	Special Topics in Geospatial Information Science	1-6
GIS/MEA 582	Geospatial Modeling	3
GIS 584	Mapping and Analysis Using UAS	3
GIS 609	Geospatial Forum	1
GIS 610	Special Topics in Geospatial Information Science	1-6
GIS 711	Geospatial Data Management	3
GIS 712	Environmental Earth Observation and Remote Sensing	3
GIS 713	Geospatial Data Mining	3
GIS 714	Geospatial Computation and Simulation	3
GIS 715	Geovisualization	3
SSC 540	Geographic Information Systems (GIS) in Soil Science and Agriculture	3
SSC 545	Remote Sensing Applications in Soil Science and Agriculture	3
BAE 535	Precision Agriculture Technology	3
BAE 536	GIS Applications in Precision Agriculture	1
MEA 511	Introduction to Meteorological Remote Sensing	3
HI 535	Spatial History	3
ST 533	Applied Spatial Statistics	3

* Other courses not listed can be approved as an elective upon consultation with an advisor.

Faculty

Full Professors

Yu-Fai Leung

Ross Meentemeyer

Helena Mitsova

Stacy Nelson

Gary Roberson

Sandra Yuter

Associate Professors

Mirela Tulbure

Raju Vatsavai

Jeffrey White

Assistant Professors

Josh Gray

Jelena Vukomanovic

Practice/Research/Teaching Professors

Perver Baran

Eric Money

Stacy Supak

Laura Tateosian

Vaishnavi Thakar

Emeritus Faculty

Heather Cheshire

Hugh Devine

Siamak Khorram