

GEOGRAPHIC INFORMATION SCIENCE AND TECHNOLOGY - MINOR

Geographic Information Science and Technology (GIST) is used to solve geospatial problems associated with, for example, land administration, environment and natural resource management, planning and population studies, as well as traditional surveying and mapping applications. GIST applies GIS, remote sensing, and global positioning mapping to collect, analyze, and display spatial information.

Program Requirements

Code	Title	Semester Credit Hours
GEOG 352/ GEOL 352	GNSS in the Geosciences	3
GEOG 361	Remote Sensing in Geosciences ¹	4
GEOG 390	Principles of Geographic Information Systems	4
Select one of the following:		4
GEOG 392	GIS Programming	
GEOG 461	Digital Image Processing in the Geosciences	
GEOG 475	Advanced Topics in GIS (Geographic Information Systems) ²	
GEOG 477	Terrain Analysis and Mapping	
GEOG 478	WebGIS	
GEOG 479	Principles of Geocomputation	
Total Semester Credit Hours		15

¹ Fall semester course

² Spring semester course

General Requirements

1. Geographic Information Science and Technology (GIST): minimum of 15 credits in the discipline at 300-400 level.
2. Minimum of 6 credits must be taken in residence at either Texas A&M University or Texas A&M at Galveston.
3. Students must meet with the department's advisor for minor programs for approval of courses selected (any substitutions must be approved by the department head).
4. Minimum cumulative GPR of 2.0 must be achieved for all courses in the minor.