MASTER OF SCIENCE IN GEOGRAPHIC INFORMATION SCIENCE AND TECHNOLOGY

Geographic Information Science (GIS) is an emerging field of study centered on the acquisition, management, analysis, and dissemination of information that is spatially-referenced to locations on, above, and below the surface of the earth. This field is highly trans-disciplinary with substantial and growing importance in a number of traditional academic disciplines and related professions including city and regional planning, architecture, civil and environmental engineering, earth and atmospheric sciences, environmental science, demography, logistics, management, public policy and sustainability studies. Full-time students can complete the 34 credit-hour curriculum in one calendar year including two semesters of full-time coursework and a capstone project course offered during the summer. Part-time students may complete the program in two or three academic years plus one summer session for the capstone project course.

For more information about the MS-GIST program, contact:

MS-GIST Program Director
School of City and Regional Planning
College of Design
Georgia Institute of Technology
Atlanta, Georgia 30332-0155
Email: crp@design.gatech.edu

- Master of Science in Geographic Information Science and Technology

The components of the current MSGIST curriculum are:

Prerequisite Course

A basic understanding of GIS technology is required as a prerequisite of the degree program.

This may be achieved through one of four options:

- CP 4510 Geographic Information Systems or
- CP 6514 Introduction to Geographic Information Systems or
- Equivalent coursework at another institution (as evaluated by the program coordinator)
- One year of equivalent professional experience (as evaluated by the program coordinator)

Code	Title	Credit Hours
Core Courses		
CP 6006	Visualization for Planners	1
CP 6024	Quantitative and Computer Methods	4
CP 6521	Advanced Geographic Information Systems	3
CP 6531	Introduction to Remote Sensing	3
CP 6581	Programming for Geographic Information Systems	3
CP 6591	GIS Professionalization	1
CP 6592	Capstone Project Research	1
CP 6595	GIS Systems Design and Management	3
CP 6596	GIS Capstone Project	3
Specialized GIS Courses		
Select two: [1]		6
CP 6570	Socioeconomic GIS	
CP 6541	Environmental Analysis Using GIS	
CP 6542	Transport & GIS	
Free Electives [2]		**6**
Total Credit Hours		**34**

1 INFO 530 Geographic Information Systems for Public Health (in the Emory School of Public Health) can be used here.

2 Students can select two additional courses as free electives. These will typically include additional specialized GIS courses or courses in GIS-related substantive areas such as city planning, architecture, public policy, civil engineering, or environmental engineering.