

GEOSPATIAL ANALYSIS MINOR

Minor in Geospatial Analysis

This program prepares students to apply the technologies of geographic information systems, cartography, and multispectral remote sensing, to various disciplines. These cross-disciplinary research tools analyze and portray data across time and geographic space. Although offered through the departments of Environmental Science & Management, Forestry, and Geography, each course carries the GSP (Geospatial) prefix.

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Department of Geography

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The Program

Geospatial technologies portray and analyze geographic location and characteristics of physical and human environments. Applying these software technologies, geospatial data is layered and analyzed to understand and communicate complex phenomena such as natural disasters, environmental impact, land coverage change, migrating populations, crime patterns, global warming, and changing economic trends. Geospatial analysis skills are applicable to a growing list of professions, and increasingly sought after by employers.

REQUIREMENTS FOR THE MINOR

Complete all courses in the minor with a C- or better, and maintain a 2.0 or better GPA in the minor.

GSP 101	(2) Geospatial Concepts
GSP 101L	(1) Geospatial Concepts Lab
GSP 216	(3) Introduction to Remote Sensing
GSP 270	(3) Geographic Information Science (GIS)
GSP 316	(4) Cartography
GSP 318	(3) Geospatial Programming I, or
GSP 326	(3) Intermediate Remote Sensing, or
GSP 330	(3) Mobile Mapping, or
GSP 370	(3) Intermediate GIS, or
GSP 416	(4) Advanced Cartography Design Seminar

Additional Information on GSP Courses & Departments

Because Geospatial Analysis skills are applicable to many different fields of inquiry, GSP courses are offered by three different departments. Some programs offer Geospatial options within their major and are integrated into curricula as major options. Below is a list of all GSP courses at HSU organized by the departments that offer them.

Department of Environmental Science & Management:

GSP 270	Geographic Information Science (GIS)
GSP 318	Geospatial Programming I
GSP 330	Mobile Mapping
GSP 370	Intermediate GIS
GSP 418	Geospatial Programming II
GSP 470	Advanced Geospatial Analysis & Modeling
GSP 570	Advanced Geospatial Analysis & Modeling

Department of Forestry & Wildland Resources:

GSP 216	Introduction to Remote Sensing
GSP 326	Intermediate Remote Sensing
GSP 436	Advanced Remote Sensing

Department of Geography:

GSP 101	Geospatial Concepts
GSP 101L	Geospatial Concepts Lab
GSP 280	Special Topics in GSP
GSP 316	Cartography
GSP 416	Advanced Cartography Design Seminar
GSP 426	Cartography Practicum

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