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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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

Natural Resources Building 200
707-826-4147
environment.humboldt.edu

- 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

Forestry Building 205
707-826-3935
humboldt.edu/fwr

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

Department of Geography, Environment & Spatial Analysis

Founders Hall 109
707-826-3946
humboldt.edu/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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