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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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

Total units required for the minor: 16

Special Grade Requirement

Complete all courses in the minor with a C- or better, and maintain a 2.00 or better GPA in the minor.

GSP 316  [4] Cartography
GSP 318  [3] Geospatial Programming I, or
GSP 326  [3] Intermediate Remote Sensing, or
GSP 370  [3] Intermediate GIS, or

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
fwr.humboldt.edu

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
geography.humboldt.edu

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