Geospatial Information Science and Technology

Minor

The Minor in Geospatial Information Science and Technology (GIST) has been approved by two departments at UC Berkeley. Environmental Science, Policy and Management in the College of Natural Resources and the Department of City and Regional Planning in the College of Environmental Design now offer minors in Geospatial Information Science and Technology which includes courses across campus. These programs serves students in geography and other social sciences, archeology, environmental science, policy and management, city and regional planning, humanities, architecture, landscape architecture and environmental planning, civil and environmental engineering, public policy, and environmental public health. The Minor is open to all majors at UC Berkeley.

Declaring the Minor

For information on declaring the Minor, please contact Eva Wong, advisor, Department of Environmental Science, Policy, and Management.

Students who have a strong interest in an area of study outside their major often decide to complete a minor program. These programs have set requirements and are noted officially on the transcript in the memoranda section, but they are not noted on diplomas.

General Guidelines

1. All courses taken to fulfill the minor requirements below must be taken for graded credit.

2. A minimum grade point average (GPA) of 2.0 is required for courses used to fulfill the minor requirements.

3. No more than one upper-division course may be used to simultaneously fulfill requirements for a student's major and minor programs.

Requirements

Select one of the following:

ESPM 72	Introduction to Geographic Information Systems
LD ARCH/ GEOG C188	Geographic Information Systems

Undergraduate Courses:

ANTHRO 196	Undergraduate Seminar (There may be other 196 coures, but this in the only one approved.)
ARCH 127	Workshop in Designing Virtual Places
CIV ENG 202B	Course Not Available [2]
COMPSCI 3L	Introduction to Symbolic Programming
COMPSCI 10	The Beauty and Joy of Computing
COMPSCI 160	User Interface Design and Development
CY PLAN 110	Introduction to City Planning
CY PLAN 204	Course Not Available [2]

CY PLAN 255	Urban Planning Applications of Geographic Information Systems [2]
EPS 101	Field Geology and Digital Mapping
EPS 117	Geomorphology
ESPM 172	Photogrammetry and Remote Sensing
ESPM 173	Introduction to Ecological Data Analysis
ESPM 210	Spatial Data Analysis for Natural Resources [2]
ESPM 233	Geographic Information Systems for Environmental Science and Management [2]
ESPM 271	Advanced Remote Sensing of Natural Resources [2]
ESPM 290	Special Topics in Environmental Science, Policy, and Management [2]
GEOG 140A	Physical Landscapes: Process and Form
GEOG 183	Cartographic Representation
GEOG 187	Geographic Information Analysis
GEOG 282	Geographic Information Systems: Applications in Geographical Research [2]
ISF 100D	Introduction to Technology, Society, and Culture
LD ARCH 130	Sustainable Landscapes and Cities
LD ARCH 132	Computer Applications in Environmental Design
LD ARCH 221	Quantitative Methods in Environmental Planning [2]
LD ARCH 254	Topics in Landscape Architecture and Environmental Planning (There may be other 290 courses, but this is the only one approved) [2]
PB HLTH 272	Course Not Available [2]

[1]   If both courses listed above are taken, one of them may count as one of the four electives.

[2]   Graduate courses require consent of the instructor and completion of prerequisites.