FOUNDATIONS OF GEOSPATIAL DATA AND PROGRAMMING - CERTIFICATE OF ACCOMPLISHMENT

Plan Code: 4309

The Department of Social Science offers a Certificate of Accomplishment in Foundations of Geospatial Data and Programming. The certificate is designed for students who plan to transfer to the California State University system and pursue additional coursework in geographic information systems and other geospatial technologies. The certificate provides students with a solid background in geographic information systems, Excel databases, and computer programming. These are essential skills for upper division coursework in geographic information systems and are valued by employers looking for geospatial analysts. These skills apply to myriad majors and occupations, including geography/GIS, anthropology, sociology, economics, geology, environmental science, public health, urban planning, field biology, and more.

Program Student Learning Outcomes

- Analyze data using geospatial tools, including GIS, GPS, and remote sensing.

Program Requirements

Code Number	Course Title	Units
REQUIRED COURSES		
COSA 15	Microsoft Excel for Windows	3
CS 31	Introduction to Computer Science-Python	3
GEOG 10	Intro to Geographic Information Systems	3
Total Units		**9**