

GEOSPATIAL TECHNOLOGIES CERTIFICATE

PROGRAM CODE: 2C42413

The Geospatial Technologies Certificate provides a comprehensive introduction to contemporary methods and techniques used in GIS and other geospatial technologies to better understand, analyze, and communicate spatial data. The program is designed to prepare students with foundational knowledge and practical skills to employ geospatial technologies to understand spatial problems and inform decision-making in various fields including: urban planning; law enforcement; firefighting; disaster preparedness and response; politics and government; medicine and disease control; environmental quality, protection, and land management; business; media, marketing, and communications; archeology; anthropology; geography; and more. A grade of C or better is required for each course taken and at least 50% of the courses taken at Fullerton College. The Geospatial Technologies Certificate requires a total of 15 units.

Code	Title	Units
Required Courses: (15 units)		
GEOG 230 F	Introduction to Geographic Information Systems (formerly GEOG 281AF)	3
GEOG 231 F	Spatial Analysis: Mapping for Solutions and Decision-Making	3
GEOG 237 F	Intermediate and Advanced GIS Applications	3
GEOG 238 F	Principles of Map-Making and Cartographic Design	3
TECH 165 F	Aerial Mapping and Photogrammetry	3
Total Units		15

Program Level Student Learning Outcomes

Outcome 1: Develop knowledge and fluency of data entry, management, and analysis and cartographic presentations for various applications.

Outcome 2: Perform spatial analysis utilizing GIS and geospatial technologies, methods, and techniques to inform decision-making in urban and/or environmental fields.

Outcome 3: Integrate principles of ethical and effective development and management of geospatial databases, geospatial analysis, and cartographic design.

https://www.curricunet.com/fullerton/reports/program_report.cfm?programs_id=1204