This badge was issued to Christopher Prendergast

Date issued: June 16, 2025

Verify

Celebrate

Geographic Information Systems

Issued by UC Davis Division of Continuing and Professional Education

GIS is one of the most widely used data analysis tools. Understanding GIS and its applications is beneficial when analyzing data to understand relationships, patterns, and trends within local, state, federal and international data. This badge consists of three (3)

required courses.

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 Learning   Intermediate   Months $ Paid

Skills

ArcGIS   Cartography   Data Science   Esri

Geographic Information Systems   Geospatial Analysis   LIDAR

Mapping   Remote Sensing   Spatial Analysis

Earning Criteria

🎓 Completion with a passing grade of Introduction to Geographic Information Systems (401450): Upon completion of this course, students will be able to u a working knowledge of ArcGIS and how to find tools to perform spatial analysis, identify and acquire sources of publicly available datasets relevant to various fields, perform spatial queries for demographic analysis that allow students to visualize large amounts of complex, spatial data by creating and combining layers of customized maps.

🎓 Completion with a passing grade of Advanced GIS Productivity, Geoprocessing and Analysis (402640): Upon completion of this course, students will be able to recognize GIS analysis concepts and automation tools, examine and assemble data to be applied in map projections, evaluate GIS data analyses such as model output and display, integrate and perform spatial analysis applications with data to create different map projections and coordinate systems.

🎓 Completion with a passing grade of GIS Database Design

(388440): Upon completion of this course, students will be able to translate basic business needs into a data model, implement that model into a geo-relational database, and incorporate previously unrelated land use, demographic and environmental data into a spatially integrated data repository, and explain physical database design, storage alternatives and system performance.

Related

Python for Data Analysis