

GEOGRAPHIC INFORMATION SYSTEMS: CERTIFICATE OF ACHIEVEMENT

The Geographic Information Systems (GIS) Certificate provides students the geospatial problem-solving skills and knowledge needed to either enter, or advance, in a variety of careers including urban planning, emergency services, resource extraction, environmental science, agriculture, business development. In the program, students work with ESRI ArcGIS software to develop their skills.

Program Learning Outcomes

1. Design, compile, and develop a spatial database and a set of analytical tools into a system appropriate to solve a geospatial problem.
2. Understand how to use Geographic Information Systems to make maps that communicate, perform analysis, and share information related to complex problems, and develop a practical project plan for addressing those problems.
3. Effectively communicate and present project results in oral, written, and graphic forms.

Certificate Requirements

Code	Title	Units
Required Courses		
GEOG-120	Introduction to Geographic Information Systems (GIS)	3
GEOG-121	Intermediate Geographic Information Systems (GIS)	3
GEOG-130	Data Acquisition and Management in Geographic Information Systems (GIS)	3
GEOG-131	Remote Sensing	3
Total Units		12