GEOSPATIAL DATA MANAGEMENT, SC

Program Description

The Geospatial Data Management skills certificate will introduce the basic technologies, methods, and principles used to collect, analyze, and display data distributed over Earth's surface. Completers of this program will be more prepared for entry-level positions at a variety of government, non-government, and business organizations that work with geospatial data.

This program is not eligible for financial aid, however, it will be eligible for scholarship funding if the student is awarded scholarships.

Recommended Course Schedule

1st semester		Units
GEOG 210	Introduction to Geotechnology	3
DATA 101	Introduction to Data Science	3
	Semester Total	**6**
2nd semester		
GEOG 220	Introduction to Cartography	3
	Semester Total	**3**
	Total Units	**9**

Program Requirements

Skills Certificates can consist of a single course or a short set of courses that provide training for entry-level positions or career advancement. These short-term certificates may also prepare students to take state, national and/or industry-recognized certifications or licensing exams.

Skills certificates are awarded upon completion of coursework and marked on a student's transcripts at the end of the semester. Students cannot declare a skills certificate as one's major. Skills Certificates are not eligible for Financial Aid.

To earn a skills certificate, students must:

1. Maintain a minimum cumulative GPA of 2.0.
2. Have no financial or library obligation to the college.

Code	Title	Units
Certificate Requirements		
GEOG 210	Introduction to Geotechnology	3
DATA 101	Introduction to Data Science	3
GEOG 220	Introduction to Cartography	3
Total Units		**9**

Program Outcomes

Students completing the certificate will:

PSLO1: Demonstrate proficiency in field acquisition of vector data, collecting raster data from internet sources, and the preparation of those data for processing and display using GIS software.

PSLO2: Apply the basic principles of cartography to create esthetically-appealing, easy-to-read, and informative maps.

PSLO3: Effectively process and query relational databases of geospatial data to answer questions, discover patterns, and prepare those questions for graphic display.