

2025 - 2026

Geographic Information Systems Certificate of Achievement

Complete the following program of study (Major# C.7301.CA) Major requirements (16 units).

The Certificate of Achievement in Geographic Information Systems (GIS) is to both provide students with the skills they need to obtain entry-level technician positions in GIS and to provide the technical skills of students in other career technical education programs (e.g., Environmental Science, Field Biology, Plant Science, others) where GIS proficiency would improve their employment opportunities. Additionally, those earning the certificate can continue their education towards an AAT in Geography, providing a transfer pathway to higher education programs.

Name: _____ **Student ID:** _____ **Date:** _____

Course Overview and Selection

Required Core Courses (9 semester units):

Course	Course Description	Units	Completed	In Progress	Planned
GEOG 10	Introduction to Geographic Information Systems	3			
GEOG 11	Introduction to Geospatial Applications	3			
GEOG 18	Introduction to Remote Sensing	3			

Select a minimum of 7 units from the following:

Course	Course Description	Units	Completed	In Progress	Planned
BIOL-7	Field Biology	5			
BIOL-13	Environmental Science Lecture	3			
BIOL-13L	Environmental Science Lab	1			
BIOL 17	Wildlife and Plant Conservation Field Methods				
BA 23 or PSYC 42or STAT C1000	Elementary Statistics or Statistics for the Behavioral Sciences or Introduction to Statistics	4			
IS 15	Computer Concepts	3			
PLS-2	Soils	3			
PLS-2L	Soils Lab	1			
PLS-1	Introduction to Plant Science	3			
PLS-1L	Plant Science Lab	1			

Notes:

Program Learning Outcomes:

A student who successfully completes this certificate of achievement will be able to:

1. Identify, evaluate, and interpret sources of geographic information from maps, geographic information systems data, and remotely-sensed data.
2. Perform data collection, display, and analysis of geographic information using geographic information systems and associated geospatial technologies.
3. Solve geographic problems using geographic information systems and related geospatial applications.