

The following program has been approved deactivation.

Effective September 1, 2026, new enrollments will not be accepted.

Geographic Information Systems (GIS) Programmer

GINS.T003.UG

Level 1 Certificate

STEM Pathway

Learn more about Geographic Information Systems

Credential Map

Program Requirements

Fall Term

- Meet with your Career Advisor
- GISC 1402 - Understanding Geographic Information Systems
- COSC 1301 - Introduction to Computing +

Choose one from the following:

- GISC 2411 - Geographic Information Systems (GIS) Applications **or**
- GISC 2401 - Data Acquisition and Analysis in Geographic Information Systems (GIS)

- ITSE 1411 - Beginning Web Programming

Spring Term

- Meet with your Career Advisor
- GISC 2402 - Geographic Information Systems (GIS) Design with Raster Analysis
- GISC 2404 - Geographic Information Systems (GIS) Design with Vector Analysis
- COSC 1436 - Programming Fundamentals I +

Summer Term

- Meet with your Career Advisor
- COSC 1437 - Programming Fundamentals II +
- GISC 2420 - Intermediate Geographic Information Systems (GIS)
- GISC 2435 - Programming for Geographic Information Systems (GIS) (Capstone) *
- Apply for Graduation

Total Certificate Hours: 39

** Capstone must be taken in the last term.*