

Geographic Information Sciences Certificate

Program Description

Geographic Information Sciences is a multidisciplinary certificate that considers fundamental questions related to the use of geographic information systems (GIS). GIS is computer-based mapping technologies that visualizes, edits, manipulates and analyzes spatial data and imagery for decision makers. GIS is an essential tool in understanding what is where, and is used in urban and regional design, marketing and industrial location, transportation, precision agriculture, forestry, environmental systems, engineering, emergency services, epidemiology, crime analysis, and utilities, among others. The Certificate can be completed in-class or online.



This program is a part of the Norman J. Radow College of Humanities and Social Sciences.

Admission, Enrollment, and Graduation Policies

Admission Requirements

This program does not have specific admission requirements and only admission to Kennesaw State University is required. For more information, please visit the Admissions section of the catalog.

Graduation Requirements

Each student is expected to meet the requirements outlined in the Academic Policies: 5.0 PROGRAM REQUIREMENTS & GRADUATION.

Program Course Requirements

Required Courses (12 Credit Hours)

- GEOG 3305: Introduction to Cartographic Processes
- GEOG 3315: Introduction to Geographic Information Systems
- GEOG 4405: Advanced Geographic Information Systems
- GIS 4415: Practicum in Geographic Information Systems

Electives (3 Credit Hours):

Select three credit hours from the following:

- GEOG 4410: Introduction to Remote Sensing
- GEOG 4500: Advanced Topics in Geospatial Science
- SURV 3319: Drone and LiDAR Planning and Operations
- SURV 3320: Photogrammetry and Drone Analysis
- SURV 3451: Terrain Analysis

Program Total (15 Credit Hours)