



Geospatial Information Science



Mapping your future in the right direction

Jobs in Geospatial Information Science and GIS technologies require a challenging blend of creative and analytical thinking. Successful GIS professionals have the technical and analytical expertise to understand complex information and how different sets of information relate to each other. They also determine how spatial information can be used to solve problems and make decisions.

What is GIS?

A geographic information system (GIS) is a framework for gathering, managing, and analyzing data. Rooted in the science of geography, GIS integrates many types of data. It analyzes spatial locations and organizes layers of information into visualizations using maps and 3D scenes. With this unique capability, GIS reveals deeper insights into data, such as patterns, relationships, and situations – helping users make smarter decisions.

About Collin College's Program

The Geospatial Information Systems (GIS) Associate of Applied Science degree and certificate program are designed to prepare students for careers in government, private, and public industries in the fields of GIS, remote sensing, location positioning, mapping, and related areas. Geospatial technology is recognized by the U.S. Department of Labor as a high-growth career field, and this program will prepare students to enter a high-demand job market.

Program Features

- Nine industry-specific courses including portfolio development and a workforce cooperative course
- All classes are available online
- Classes are taught using industry-leading ArcGIS software from the Environmental Systems Research Institute (ESRI)

Careers in GIS

Surveying and Mapping Technician

Avg. Starting Salary: \$52,100

Average Salary: \$56,300

Projected Job Growth: 22.2%

Geographic Information Systems Technologists and Technicians*

Avg. Starting Salary: \$55,000

Average Salary: \$101,600

Projected Job Growth: 24.4%

The average salary listed reflects the mean average wage for workers in this industry, while the average starting wage is tied to workers at the beginning of their careers. The earning potential for employees with certifications and associate of applied science degrees may exceed the average salary.

Data for Collin County obtained from JobsEQ and O*Net

Note: Average salary for occupation as of 2023 and job growth projected from 2023-2029.

*Job title classified under "Computer Occupations, All Other" in O*Net.

Choose Your Education

**Associate of Applied Science
Geospatial Information Systems (GIS)
(60 credit hours)**

**Certificate Level 1
(17 credit hours)**

**Certificate Level 2
(30 credit hours)**

All courses taken for the GIS certificate also apply to the Associate of Applied Science (AAS) degree. An AAS degree in GIS from Collin prepares you to enter the job market or pursue a bachelor's degree.

Contact Information

Amy Perdreauxville

Discipline Lead, Geospatial Information Science

aperdreauxville@collin.edu



Visit

www.collin.edu/academics/programs/GIS_1Overview.html
or scan the QR code for more information.

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