



Geospatial Information Science



Mapping your future in the right direction

Looking for a career that offers a challenging blend of creative and analytical thinking? As a Geospatial Information Science (GIS) professional, you will have the technical and analytical expertise to understand complex information and how different sets of data relate to each other. Gain the skills needed to know 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 Science (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
- Classes taught using industry-leading ArcGIS software from the Environmental Systems Research Institute (ESRI)

Careers in GIS

Surveying and Mapping Technician

Average Starting Salary: \$41,400

Average Salary: \$52,800

Projected Job Growth: 20.9%

Geographic Information Systems Technologists and Technicians*

Average Starting Salary: \$68,600

Average Salary: \$127,300

Projected Job Growth: 23.9%

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 2025 and job growth projected from 2025-2032.

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

Choose Your Education

Associate of Applied Science

Geospatial Information Science (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

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Overview



Department

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Overview Webpage

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Department Webpage

www.collin.edu/departments/gis

or scan the QR codes for more information.

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