Earn Your GIS Certificate

GIS Certificate

Requires successful completion of the following five GIS courses:

- GISC 1411 *Introduction to GIS*
- GISC 1421 *Introduction to Raster-based GIS*
- GISC 2420 *Intermediate GIS*
- GISC 2402 *GIS Design with Raster Analysis*
- GISC 2231 *Advanced Problems in GIS (or GISC 2281 Co-op/Internship)*

Associate of Applied Science (AAS) Degree in GIS

Requires successful completion of:

- the same five GIS courses listed above
- GISC 1301 Cartography and Geography in GIS with GPS
- GISC 2335 Programming for GIS
- five courses in the AAS General Education Requirement
- six related courses and one electives

Graphic used by permission of Chris Landis, GISC 1411 student.

Collin College
Preston Ridge Campus

9700 Wade Blvd.
Frisco, Texas 75035

(located north of Highway 121 and east of Preston Road)

For more information about the GIS program, contact:

Professor George Jackson
gjackson@collin.edu.

Additional information available at
http://www.collin.edu/academics/programs/Geospatial.html

COLLIN COLLEGE™

Collin College is an equal opportunity institution and provides educational and employment opportunities without discrimination on the basis of race, color, religion, sex, age, national origin, disability, veteran status or other legally protected class.

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Geospatial Information Science (GIS)

Two options:

GIS Certificate
(18 credit hours)

Associate Degree
(60 credit hours)

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What is GIS?

A Geospatial Information System (GIS) uses hardware, software, and data to:

- analyze and display location-based information
- help easily visualize information in a form that aids the decision-making process
- solve spatial problems in business, government, environmental studies, geological studies and more
- present information in a way that is easy to understand and interpret

GIS specialties include remote sensing, geospatial intelligence, image analysis and more.

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GIS Software?

At Collin College, we use industry-leading GIS software, ArcGIS from Environmental Systems Research Institute (ESRI). With this software, students learn how to turn data into actionable information and automate many GIS tasks.

ArcGIS is used for

- creating maps
- analyzing and compiling spatial data for use in a variety of business and government applications
- creating and managing geodatabases

Through a partnership with ESRI, Collin College provides ArcGIS student licenses to GIS students at no cost.

Graphic prepared by two students, Akram Amen and Christa Grogan, for the City of Celina, Fall 2014. Used by permission of all parties.

What About Jobs?

According to the U.S. Department of Labor's *Occupational Outlook Handbook, GIS* "should experience faster than average employment growth."

There are currently 741 GIS jobs in the Dallas area with a median salary of $70,000 per year, according to the *GIS Texas Job Market Overview*.

The United States Employment and Training Administration says the market for geospatial technology is "growing at an annual rate of almost 35 percent, with the commercial subsection of the market expanding at the rate of 100 percent each year."

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