

# GEOGRAPHIC INFORMATION SYSTEMS (GRADUATE CERTIFICATE)

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## Contacts

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Program Website (<https://www.jefferson.edu/academics/colleges-schools-institutes/architecture-and-the-built-environment/programs/graduate-certificates/geographic-information-systems.html>)

## Program Description

- **STEM** designated program

The mission of the Graduate Certificate in Geographic Information Systems (GIS) is to provide students with a broad-based, practice-oriented proficiency in advanced geospatial technology and spatial analytics.

## Learning Goals/Outcomes

Prepare students to assume technology leadership roles in the use of Advanced GIS and Spatial Analytics, primarily within the allied design professions including Landscape Architecture, Architecture, Planning and Engineering, but also extending to more traditional spatial analysis roles. GIS professionals must demonstrate mastery of a broad spectrum of advanced geospatial skill sets and knowledge bases to plan and lead in the use of geospatial technology for projects related to the built environment.

## Curriculum: 12 Credits

Code	Title	Credits
<b>Core Curriculum</b>		
GEOD 610	Introduction to GIS	3
GEOD 615	Adv GIS:Urbn Spctl Anlytcs 1	3
GEOD 617	Adv GIS: Urb Sprial Anlytcs II	3
Select one of the following:		3
GEOD 625	Inter GIS Tech for Design &Dev	
GEOD 600	3D Modeling for Geodesign	
<b>Total Credits</b>		<b>12</b>