

# GEOGRAPHIC INFORMATION SCIENCE, CERTIFICATE (203)

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## Program Coordinator

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Geographic Information Systems (GIS) technology is widely used in business, industry, government, and education. This graduate certificate is designed for students in a variety of disciplines that involve spatial analysis, mapping, and interpretation of geospatial data. Students who complete the program will have a solid GIS foundation that spans the collection, management, analysis, interpretation, and display of geospatial data using geographic information systems. Students gain practical experience by completing projects that require the use of sophisticated GIS functions. Finally, they learn how to develop and implement customized GIS applications.

## Program Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission>) of this catalog for Graduate School admission requirements.

## Program Requirements (10 hours)

Code	Title	Hours
<b>Required Courses</b>		
Select a series of three graduate courses for a minimum of 10 credit hours of the following:		10
GEOS 515	Remote Sensing Applications	
GEOS 517	Spatial Databases	
GEOS 520	Geoscience Statistical Methods	
GEOS 523	Geoprocessing & GIS Applications	
GEOS 575	GIS Analysis and Modeling	
GEOS 576	GIS Programming	
GEOS 577	Special Topics in Geographic Information Systems	
GEOS 590	Experimental Design and Data Analysis	
GEOS 595	Geoscience Practicum	
<b>Total Hours</b>		<b>10</b>