

# GEOGRAPHIC INFORMATION SYSTEMS GRADUATE ACADEMIC CERTIFICATE

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All required coursework must be completed with a grade of B or better (O-10-b (<https://catalog.uidaho.edu/general-requirements-academic-procedures/o-miscellaneous/>)).

Code	Title	Hours
GEOG 524	Hydrologic Applications of GIS and Remote Sensing	3
or GEOG 583	Remote Sensing/GIS Image Analysis	
GEOG 525	Graduate GIS Fundamentals	3
GEOG 593	Geovisualization	3
Select 6 credits of electives from the following:		6
GEOG 402	GIS Skills Development	
GEOG 475	Intermediate GIS	
GEOG 507	Spatial Analysis and Modeling	
GEOG 414	Socioeconomic Applications of GIS	
GEOG 479	GIS Programming	
GEOG 487	Topics in Geospatial Analysis	
FIRE 407	GIS Application in Fire Ecology and Management	
Other courses as approved by the department		
<b>Total Hours</b>		<b>15</b>

## Courses to total 15 credits for this certificate

1. Students will develop an understanding of spatial systems through the study of Earth and human processes that interact across a wide range of spatial and temporal scales.
2. Students will develop skills applicable to the collection, integration, analysis, and illustration of data for solving spatial and temporal problems
3. Students will develop skills for communicating fundamental concepts in their field and results from their own work, in both written and oral settings.