

# UNDERGRADUATE CERTIFICATE IN GEOGRAPHIC INFORMATION SYSTEMS

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Code	Title	Hours
<b>Required Courses:</b>		
GEOL 4311	Fundamentals of GIS	3
GEOL 4312	Advanced GIS	3
GEOL 4314	Fundamentals of Remote Sensing	3
<b>Electives</b>		
Select two of the following:		6
GEOL 4301	Special Topic Earth Science (Geospatial Studies)	
GEOL 4301	Special Topic Earth Science (Remote Sensing for Environmental Analysis)	
GEOL 4303	GPS Methods and Applications	
GEOL 4313	GIS Research Project	
GEOL 4317	GIS Seminar	
GEOL 4318	Drone Photogrammetry	
CVEN 2370	Intro to CAD and Surveying	
<b>Total Hours</b>		<b>15</b>