

# BS MAJOR IN GEOGRAPHY IN INFORMATION SCIENCE

## Requirements for a Bachelor of Science Degree with a Major in Geography in Information Science

Additional Graduation Requirements (<https://catalog.una.edu/undergraduate/academic-procedures-requirements/graduation-requirements>)

Code	Title	Hours
<b>General Education Component</b> ( <a href="https://catalog.una.edu/undergraduate/academic-procedures-requirements/general-education-component">https://catalog.una.edu/undergraduate/academic-procedures-requirements/general-education-component</a> )		
Area I (Written Composition)		6
Area II (Humanities and Fine Arts)		12
Area III (Natural Sciences and Mathematics)		11
Area IV (History, Social and Behavioral Sciences)		12
Area V ( <a href="https://www.una.edu/areav">https://www.una.edu/areav</a> )		
<b>Major Core Requirements in Geographic Information Science</b>		
GE 102	Global Environments and Societies <sup>1</sup>	3
GE 111	Physical Geography: Weather and Climate <sup>1</sup>	4
	or GE 111H Honors Physical Geography: Weather and Climate	
GE 112	Physical Geography-Landforms <sup>1</sup>	4
	or GE 112H Honors Physical Geography: Landforms	
GE 184	Digital Earth	3
GE 260	People, Place, and Culture	3
GE 300W	History and Philosophy of Geography	3
GE 325	Cartography	3
GE 384	Geographic Information Systems	4
Select one course from Regional Geography		3
	Experiential Learning <sup>3</sup>	
<b>Prescribed Supporting Courses</b>		
Select one Microcomputer Course <sup>2</sup>		2
Select one Statistics Course		3
<b>Additional Requirements</b>		
GE 224	Field Methods and Technology in Geography	3
GE 323	Image Interpretation and Analysis	3
GE 454	Remote Sensing	4
GE 464	GIS Programming	3
GE 484	Applied Geospatial Analysis	3
Select one Database Management Course		3
Select 9 hours of additional course work either geography or related course work recommended by academic advisor		9
<b>Minor</b>		
A minor or second major is not required for the Geographic Information Science major.		
<b>General Elective hours, if required, to bring total to 120</b>		
<b>Total Hours</b>		108

<sup>1</sup> These courses are required in the major if not completed as part of the

General Education component

<sup>2</sup> Fulfills computer literacy requirement

<sup>3</sup> Experiential Learning includes: Field Courses, Study Abroad, Internships, Co-ops, Geography Capstone Project, and Service learning, or other courses for which 80% of the course credit derives from field activities as determined by the department