

GEOGRAPHY - GEOSPATIAL TECHNOLOGY (BACHELOR OF SCIENCE)

Requirements for the Bachelor of Science Degree in Geography are:

Course	Title	Credits
Jax MIX General Education Curriculum		41

Course	Title	Credits
GY 208	Introduction to Digital Mapping and GIS	3
GY 220	Human Geography	3

Select one of the following sequences: 8

GY 250 & GY 252 & GY 251 & GY 253	Physical Geography I: Atmospheric Patterns and Processes and Physical Geography Lab I and Physical Geography II: Landscape Patterns and Processes and Physical Geography Lab II	
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GL 241 & GL 242 & GL 243 & GL 244	Physical Geology and Historical Geology and Physical Geology Lab and Historical Geology Lab	
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GY 302	Remote Sensing	3
GY 307	Geographic Information Systems (WI)	3
GIS 308	Geovisualization and Cartography	3
GIS 406	Advanced Remote Sensing	3
GIS 451	Applied Geographical Information Systems	3
GIS 456	Spatial Data, Layout, and Design	3
GIS 459	Spatial Data Collection and Management	3

Total Hours 35

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about Jax MIX requirements (<https://catalog.jsu.edu/undergraduate/jax-mix-requirements/>) and Alabama Transfers equivalents (<https://catalog.jsu.edu/undergraduate/alabama-transfers-equivalents/>) can be found in their respective section of the catalog.**

Freshman		
Fall		Hours
Jax MIX Communication: EH Composition Sequence		3
GY 250 & GY 252	Physical Geography I: Atmospheric Patterns and Processes and Physical Geography Lab I (Jax MIX Inquiry)	4
MS 110	Finite Mathematics (or higher excluding MS 204 - Jax MIX Communication)	3
Jax MIX Experience: Social/Behavioral Science		3
SSC 101	First Year Experience	0
Hours		13

Spring		
Jax MIX Communication: EH Composition Sequence		3
GY 251 & GY 253	Physical Geography II: Landscape Patterns and Processes and Physical Geography Lab II	4
MS 204	Basic Statistics	3
GY 208	Introduction to Digital Mapping and GIS	3

Electives		2
Hours		15

Sophomore		
Fall		
Jax MIX Expression: Fine Arts		3
Jax MIX Expression: Literature ¹		3
Jax MIX Experience: Social/Behavioral Science		3
Jax MIX Inquiry: Science		4
GY 302	Remote Sensing	3
Hours		16

Spring		
Jax MIX Experience: History ¹		3
GIS 406	Advanced Remote Sensing	3
GY 307	Geographic Information Systems (WI)	3
CS 201	Introduction to Information Technology (or higher)	3
Electives		4
Hours		16

Junior		
Fall		
EH 141	Speech (Jax MIX Communication)	3
Jax MIX Expression (Literature if sequence) ¹		3
GIS 451	Applied Geographical Information Systems	3
Electives 300+		6
Hours		15

Spring		
Jax MIX Experience (History if sequence) ¹		3
GIS 456	Spatial Data, Layout, and Design	3
GY 220	Human Geography	3
Electives 300+		6
Hours		15

Senior		
Fall		
GIS 459	Spatial Data Collection and Management	3
Electives 100+		9
Electives 300+		3
Hours		15

Spring		
GIS 308	Geovisualization and Cartography	3
Electives		12
Hours		15

Total Hours 120

¹ Either a History sequence or a Literature sequence is required with a minimum of 3 hours required in both history and literature.