

# GEOSPATIAL ANALYSIS AND VISUALIZATION, MINOR

Saint Louis University's minor in geospatial analysis and visualization introduces students to the art and science of human geographic information science (GIS). The minor emphasizes hands-on training in data management, ethical and participatory mapping, spatial analysis, and map design. With GIS among the fastest-growing industries in the United States, this minor prepares students with in-demand skills for careers in data science, urban planning, environmental science and management, public health, public policy, business, social science research, and beyond.

In five required courses, you will gain practical GIS skills to understand, analyze, and address social and spatial inequities. You will learn how maps, spatial data, and visual storytelling reveal patterns of injustice across areas like housing, health, the environment, transportation, political representation, and access to resources while critically engaging with the ethics, power, and limitations of geospatial technologies.

## Requirements

Students must complete a minimum total of **15 credits** for the minor.

Code	Title	Credits
<b>Required Courses</b>		
SOC 1600	The Power of Place: An Introduction to GIS	3
SOC 2610	Mapping Urban Inequity	3
SOC 3600 or SOC 3615	Cartography for Social Justice Our World in Big Data	3
<b>Elective Courses</b>		<b>6</b>
Choose 2 of the following courses:		
SOC 3600	Cartography for Social Justice	
SOC 3615	Our World in Big Data	
SOC 4640	Demographic Methods, Analysis, and Public Policy	
SOC 4670	Spatial Demography – Applied Spatial Statistics	
<b>Total Credits</b>		<b>15</b>

## Continuation Standards

Students must have a minimum of a 2.00 average GPA in their minor-related courses. Students who fall below a 2.00 average in minor-related courses will be placed on probation. If the student fails to obtain at least a 2.00 average GPA in minor-related courses after two consecutive semesters on probation the student will not be allowed to continue in the program.

## Contact Us

For additional information about this program, please contact [soc-anth@slu.edu](mailto:soc-anth@slu.edu) or call 314-977-2900.