

Major in Geospatial Analysis

This is a brand-new major, effective Fall 2022. Offered by the Department of Geography, it leads to the BA in Geography degree. Students who are planning to pursue a career in Geographic Information Science (GIS) or geospatial technologies will find that the major in geospatial analysis provides a solid contextual background in geographic foundations, and adds the tools required for their chosen career.

- Add the GIS Capstone to finish the Certificate in Geographic Information Science.
- Consider applying to the 4+1 accelerated Master of Science in Geospatial Analysis program to complete a graduate degree one year after the bachelor's degree!

Core Requirements (15 credits):

- GEOG 102 Introduction to Human Geography (3)
- GEOG 111 Landform Processes (4)
- GEOG 250 or GISC 200 Introduction to GIS (4)
- GISC 351 Spatial Analysis (4)

Foundation (3 credits) choose one:

- DATA 101 Introduction to Data Science
- CPSC 110 Introduction to Computer Science
- GEOG 325 Quantitative Methods in Geography

Breadth Requirements (9-10 credits): Take one course from each of the 3 areas of specialization, at least one being at 300-level level.

Society & Politics	Culture	Environment
231: Introduction to Planning	101: World Regional Geography	110: Weather & Climate w/lab
236: Globalization & Local Development	221: Geography of Eastern North America	240: Hazards & Resilience
237: Cities	222: Geography of Western North America	241: Biogeography
331: Race & Place in America	301: Geography of Latin America & Caribbean	245: Environment & Society
332: Migration Politics	304: Geography of Middle East	325: Dynamic Climatology
333: Planning Seminar	335: Sacred Spaces	326: Glacial Geomorphology
337: Nature of Cities*	339: Development Studies	327: Climate Change
338: Geopolitics	361: Grassroots Development in Guatemala	337: Nature of Cities*

*GEOG 337 may be counted in one area of specialization only.

Upper Level Geography Requirement (3 credits):

- One upper-level thematic geography course (GEOG 301-339)

Upper Level GIS Requirements (8 credits):

- GISC 340 Remote Sensing & Air Photo Interpretation
- GISC 355 Mobile GIS & GPS
- GISC 450 GIS Programming
- GISC 471 Special Topics
- GISC 482 Web GIS: Concepts and Applications

Capstone (3 credits): GEOG 490 Senior Seminar in Geography