

# GEOAI AND GEOGRAPHIC ANALYSIS MINOR

The GeoAI and Geographic Analysis Minor offers training in Artificial Intelligence (AI) applications integrated with geographic datasets, analytics, and technology, empowering students to identify patterns, predict trends, and make data-driven decisions in real-world scenarios.

## About this Program

- **College:** Liberal Arts and Sciences (<http://catalog.ufl.edu/UGRD/colleges-schools/UGLAS/>)
- **Credits:** 18-20 | Completed with minimum grades of C

## Department Information

The Geography Department offers a range of topics in contemporary geography and geospatial science, rich and lively cultural and learning environments, BA and BS undergraduate degrees, MA, M.S., and PhD degrees, as well as the largest Medical Geography program in the United States.

**Website** (<https://geog.ufl.edu/>)

## CONTACT

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Map (<http://campusmap.ufl.edu/#/index/0267>)

## Curriculum

- Combination Degrees
- GeoAI and Geographic Analysis Minor
- Geographic Artificial Intelligence and Big Data Certificate
- Geography
- Geography Minor
- Geography Minor UF Online
- Geography UF Online
- Geospatial Information Analysis Certificate
- Medical Geography Certificate
- Medical Geography in Global Health Minor
- Meteorology and Climatology Certificate
- Meteorology Minor

Students pursuing the Certificate of Geographic Artificial Intelligence and Big Data or the Certificate of Geospatial Information Analysis are not eligible for this minor.

No more than six transfer credits may count toward the minor. Students must complete a minimum of twelve credits of coursework exclusive to the minor that cannot count toward the major or other minors.

## Required Courses

Code	Title	Credits
<b>Introductory course</b>		<b>3</b>
GIS 2114 or GIS 2002	The World & Big Data The Digital Earth	
<b>Geographic Techniques courses (select two)</b>		<b>6-8</b>
GIS 3043	Foundations of Geographic Information Systems	
GIS 4037	Digital Image Processing	
GIS 4102C	GIS Programming	
GIS 4124	Geocomputation using R Programming	
MET 3753	Pragmatic Python for Weather	
<b>GeoAI and Geographic Analysis courses (select two)</b>		<b>6</b>
GIS 3420C	GIS Models for Public Health	
GIS 4113	Introduction to Spatial Networks	
GIS 4115C	Spatial Surface Modeling and Geostatistics	
GIS 4324	GIS Analysis of Hazard Vulnerability	

GIS 4424C	Applications in GIS for Zoonoses and Disease Ecology	
GIS 4500	Population GIS	
MET 4224C	Machine Learning in Meteorology	
<b>Capstone course</b>		<b>3</b>
GIS 4123C	GeoAI – Geographic Artificial Intelligence	
<b>Total Credits</b>		<b>18-20</b>

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