GEOSPATIAL INFORMATION ANALYSIS CERTIFICATE

Geospatial Information Analysis is used increasingly in both research and practice with job opportunities expected to grow 29% from 2014 to 2024.

About this Program

- **College:** Liberal Arts and Sciences (https://catalog.ufl.edu/UGRD/colleges-schools/UGLAS/)
- **Credits:** 11-12 | Completed with minimum average grade of B-
- **Contact:** Email (msounnyslitine@ufl.edu) | 352.294.7516
- Student Learning Outcomes (SLOs) (https://public.tableau.com/app/profile/uf.oipr4918/viz/UFStudentLearningOutcomesCertificatesOnly/StudentLearningOutcomes/?publish=yes)

Certificates must comply with the Certificate Policy.

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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330 Newell Drive
3141 TURLINGTON HALL
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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 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
- Urban-Economic Geography Certificate

Covers a variety of geospatial technologies and analytical methods such as digital mapping, geographic information system (GIS), and remotely sensed image processing, aiming to develop spatial thinking ability for students. Lab-based applications emphasize hands-on experiences of these technologies.

Open to all currently enrolled undergraduate students. At least nine credits of coursework must be unique to the Geospatial Information Analysis certificate out of all other certificates and minors.

Required Courses

Code	Title	Credits
GIS 3043	Foundations of Geographic Information Systems [1]	4
GIS 4037	Digital Image Processing [2]	4
Approved elective [3]		3-4
Total Credits		**11-12**

1 Spring, Year 1; junior standing or higher.
2 Fall, Year 1; junior standing or higher.

[3] Spring or Fall, Year 2; junior standing or higher.

Approved Electives

Other GIS courses may be substituted with approval of the certificate coordinator.

Code	Title	Credits
GIS 3001C	Geovisualization and Map Design	4
GIS 3420C	GIS Models for Public Health	3
GIS 4021C	Aerial Photo Interpretation	3
GIS 4102C	GIS Programming	3
GIS 4113	Introduction to Spatial Networks	3
GIS 4115C	Spatial Surface Modeling and Geostatistics	3
GIS 4124	Geocomputation using R Programming	3
GIS 4324	GIS Analysis of Hazard Vulnerability	3
GIS 4424C	Applications in GIS for Zoonoses and Disease Ecology	3
GIS 4500	Population GIS	3
GIS 4911	Undergraduate Research in Geospatial Trends	0-3