

DEPARTMENT OF GEOGRAPHY

<https://www.una.edu/geography/>

The Department of Geography offers majors in Geography and Geographic Information Science (GIS) leading to the Bachelor of Arts or Bachelor of Science degree. The department also offers a Master of Science degree in Geospatial Science (see UNA Graduate Catalog) as well as undergraduate minors in geography, geographic information science, and geospatial human computer interaction (GEOHCI), certificates in geographic information systems, business geographic information systems, community development and planning geographic information systems, environmental geographic information systems, coursework applicable to general education components in all programs, and coursework contributory to other curricula, including the programs for the preparation of elementary and secondary teachers offered through the College of Education and Human Sciences.

The major in Geography is designed to serve students interested in careers in natural resource management, environmental organizations, community development and planning, municipalities, government, foreign and diplomatic service, international organizations, business, and industry as geographers and cartographers or in teaching geography or social studies in the elementary, middle, junior or high school. This program prepares students for graduate studies within geography and education.

The major in Geographic Information Science (GIS) at UNA is a Science, Technology, Engineering, and Math (STEM) program and is designed to serve students who wish to prepare for careers in the more technical aspects of applied geography, including the fields of geographic information systems (GIS), remote sensing, computer cartography, GIS software development, GIS consulting, business and data analytics, security and logistics, city and/or regional planning, economic geography, environmental agencies, resource exploration, resource utilization and management, and land use planning. The major in Geographic Information Science also provides preparation for graduate study in geography leading to careers in applied geography or for research and teaching at the collegiate level.

The Certificate in Geographic Information Systems is designed for professionals wishing to increase job skills and geography majors wanting their skills recognized through a certificate program. Topical certificates in GIS are designed for non-Geography majors at UNA wishing to gain GIS skills to solve business, community development and environmental problems.

Students majoring in geography and Geographic Information Science (GIS) are required to take the exit examination for graduation. All geography courses may require a field trip.

Majors

- BA/BS Major in Geography (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/geography/geography-ba-bs>)
- BS Major in Geography in Information Science (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/geography/geography-information-science-bs>)

Minors

- Geographic Information Science Minor (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/geography/geographic-information-science-minor>)
- Geography Minor (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/geography/geography-minor>)
- Geospatial Human-Computer Interaction Minor (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/geography/geospatial-human-computer-interaction-minor>)

Certificates

- Business Geographic Information Systems Certificate (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/special-programs-activities/certificate-business-geographic-information-systems>)
- Community Development and Planning Geographic Information Systems Certificate (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/special-programs-activities/certificate-community-development-planning-geographic-information-systems>)
- Environmental Geographic Information Systems Certificate (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/special-programs-activities/certificate-environmental-geographic-information-systems>)
- Geographic Information Systems Certificate (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/special-programs-activities/certificate-geographic-information-systems>)