

# CERTIFICATE IN GEOGRAPHIC INFORMATION SYSTEMS

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The Department of Geography offers a Certificate in Geographic Information Systems designed for professionals wishing to increase their job skills, geography majors wishing to have their skills recognized through a certification program, and students from other disciplines interested in broadening their knowledge of the use of Geographic Information Systems. Courses focus on the application of GIS technology to a variety of fields including biology, forestry, geology, city and regional planning, transportation planning, marketing and software development within the GIS industry. Admission requires current enrollment at UNA, a 4 year university degree, or 5 years' experience in a related field and consultation with the Department Chair. The program is offered in conjunction with the Office of Continuing Education.

## Requirements for a Certificate in Geographic Information Systems

Code	Title	Hours
GE 184	Digital Earth	3
GE 325	Cartography and Visualization	3
GE 384	Geographic Information Systems	4
GE 484	Advanced GIS	3
Choose one of the following:		
GE 354	Remote Sensing	4
GE 474	Web GIS	3
GE 485	GIS Applications	3
GE 487	Geography Capstone Project	3
Total Hours		16-17