

# CERTIFICATE IN GEOGRAPHIC INFORMATION SYSTEMS

*College of Business and Public Management*

The Certificate in GIS is designed for students and professionals who wish to enhance their knowledge and skills in the application of geographic technologies. It is appropriate for professionals in a wide variety of fields, both public and private, who wish to develop their knowledge and skills in the nature and use of geographic information and global positioning systems. It is also appropriate for people who wish to enter fields that use these technologies.

Code	Title	Credits
<b>Required</b>		
GEO 534	Geographic Information Systems	3
GEO 584	Applications of Geographic Information Systems	3
GEO 577	Geodatabases	3
<b>Elective Courses</b>		<b>3</b>
Select one of the following (or another course by advisement)		
ENV 533	Water Quality and Health	
ENV 570	Emergency Preparedness	
GEO 507	Internet Applications of Geographic Information Systems	
GEO 538	Environmental Modeling with Geographic Information Systems	
GEO 556	Introduction to Business GIS	
GEO 585	Geography Field Methods	
GEO 615	Internship in Urban and Regional Planning	
Topical application elective <sup>1</sup>		
<b>Total Minimum Credits Required</b>		<b>12</b>

<sup>1</sup> Chosen in consultation with the graduate coordinator to combine GIS application with the student's topical area of interest.