

The below curriculum outlines the requirements of the GIS certificate program. Exceptions must be approved by the GIS certificate program coordinator.

Course	Title	Credits
Level One (choose one):*		3.0
GIS 501	Fundamentals of GIScience	
PAF 571	Geographic Information Systems (GIS) and Analysis	
PUP 576/GIS 515	GIS Workshop for Planners	
Level Two (choose two; must be from different categories):		6.0
Geographical Spatial Analysis (2A)		
ABS 485	GIS in Natural Resources	
GIS 471	Geographic Information Analysis	
GIS 562	Location Analysis and Modeling	
Building a GIS from Data Creation to Display (2B)		
GPH 598	Geographic Information Science II	
GIS Application Design, Development, and Distribution (2C)		
GIS 521	Geographic Information Science III	
GIS 561	Optimization Fundamentals for Spatial Analysis	
Remote Sensing and Analysis (2D)		
ABS 586	Remote Sensing in Environmental Resources	
GPH 569	Digital Analysis of Remotely Sensed Data	
Graduate Elective:**		3.0
Graduate Elective:**		3.0
GIS/GPH 591	Seminar: GIS Capstone	1.0
Total credits required for GIS certificate:		16.0

*Students may waive the Level One course by showing proof of taking a GIS concept/theory course offered either through a University or community college in the last two years. Students waiving the Level One course must take an additional elective to complete the 16 credits needed to earn the certificate.

**Choose electives from an approved list of GIS-related courses

Course Requirements

A maximum of 6.0 credits of 400-level elective coursework may be included on the plan of study but must be approved by the GIS certificate program coordinator.

Pre-admission Credit

No more than 6.0 credits taken prior to admission into the GIS certificate program may be included on the plan of study.

Culminating Experience

The culminating experience is an applied professional project GIS/GPH 591 GIS Capstone.