

Advanced Certificate in Geographic Information Systems

The Advanced Certificate in Geographic Information Systems allows students to develop an in-depth understanding of programming and spatial data analysis through two required courses, and it allows them to expand their expertise in one additional applied area of Geographic Information Science. The requirements for completing the advanced certificate are: the GIS certificate plus the two required courses and one additional course from the list below.

Required Courses		
Programming in GIS	GIS 4102C	3
Spatial Data Analysis	GEO 4167C	3
Choose one of the following applied courses:		
Applications of GIS	GIS 4048C	3
Geovisualization and GIS	GIS 4138C	3
*Photogrammetry and Aerial Photograph Interpretation	GIS 4021C	3

*SUR4331/SUR4331L – Digital Photogrammetry Principles and Applications is an approved substitute for Geomatics Engineering students

Approved by:	Date:
Department Chair: <u>[Signature]</u>	<u>04/05/2016</u>
College Curriculum Chair: <u>[Signature]</u>	<u>4/27/16</u>
College Dean: <u>[Signature]</u>	<u>4/28/16</u>
UUPC Chair: <u>[Signature]</u>	<u>4/29/16</u>
Undergraduate Studies Dean: <u>[Signature]</u>	<u>5/10/16</u>
UFS President: _____	_____
Provost: _____	_____

