

GEOGRAPHIC INFORMATION SYSTEMS

Overview

This academic program provides a pathway of courses and academic opportunities for students to acquire skills to be proficient in Geographic Information Systems (GIS). GIS is a powerful tool for multiple real-world applications in professional and academic disciplines. Employers and graduate schools are eager to recruit students with a solid background in GIS analysis, particularly those students with certification of proficiency. The pathway will provide students with the necessary skills to obtain an NCF GIS Certificate. Additionally, this certificate will cover the needed content for students to take an online exam offered by the Environmental Systems Research Institute (Esri). Esri is an internationally recognized company that produces ArcGIS, one of the best GIS software systems. ArcGIS, as well as Esri's certifications, are used extensively and are recognized by state, local, and federal government offices, conservation groups, academic institutions, and private companies. Students successfully finishing the NCF GIS Certificate can take one or more of Esri's online certification tests.

To obtain a GIS Certificate at New College of Florida, students follow a recommended sequence of courses. The path must be started no later than one academic year prior to the student's intended graduation date, to guarantee that all required and elective courses and activities are completed. Individual AOC requirements, prerequisite course requirements, credit load, and course availability may affect a student's individual progress. Students must pass all the required courses, and take at least one elective course and one GIS-related activity. Students should contact GIS faculty members to better understand typical course availability and individual program planning; however, they should always consult the online catalog for specific class information. Students successfully finishing the NCF GIS Certificate coursework can apply to be sponsored by New College to take one or more external online GIS certificates issued by Esri or an equivalent organization.

Faculty in Geographic Information Systems

Gerardo Toro-Farmer (<https://www.ncf.edu/directory/gerardo-toro-farmer/>), Associate Professor of Coastal and Marine Science

Requirements for the Certificate in GIS

A minimum of four (4) academic units, plus Esri Online Exam.

Code	Title
Required Courses	
GEON 2150	Introduction to GIS
GEON 3130	GIS II
Elective Courses	
Select at least one :	
GEOG 2350	Introduction to Mapping for the Social Sciences
GEON 3150	GIS and Remote Sensing
Other GIS-Related Courses	
Other GIS-Related Activities	
Select at least one :	

Tutorial

ISP

Senior Thesis with GIS Component

Online Exam

Esri Online Exam

Sample One-Year Pathway for Certificate in GIS

First Year		
Fall Term	ISP	Spring Term
GEON 2150	GIS-Related ISP	GEON 3130
GEOG 2350		GEON 3150
GIS-Related Tutorial		GIS-Related Thesis
		Esri Online Exam