

Certificates

Geographic Information Systems - Certificate

College of Undergraduate Studies

Office of Interdisciplinary Studies

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GIS is an essential research tool for a wide range of disciplines because it allows researchers to work with different kinds of information in a spatial context. The GIS certificate program focuses on developing students' basic understanding and specific applications of GIS in a variety of contexts.

Admission Requirements

- None

Certificate Requirements

- None

GIS Certificate Requirements 12 hrs

- Two Core courses (6 hours)
- Two courses of elective coursework (6 hours)

First Core Courses

- Chose 1 course from among the courses below

ANT 4852	GIS Methods in Anthropology or	3 hrs
ANG 5852	GIS Methods in Anthropology or	3 hrs
GIS 3043C	GIS for Environmental Studies or	3 hrs
PAD 4712	Information Systems for Public Managers and Planners or	3 hrs
POS 4764	GIS for Political Analysis or	3 hrs
SYA 3352	Spatial Sociology I: Intro to GIS	3 hrs

Second Core Courses

- Chose 1 course from among the courses below

GIS 4301C	Advanced GIS Applications in Environmental Studies or	4 hrs
SYA 4354	Geographic Information Systems Applications or	3 hrs
ANT 4854	Advanced GIS Methods in Anthropology	3 hrs

Elective Courses

- Chose 2 courses from among the elective courses below. Other courses may be substituted with permission of the Coordinator.

BSC 4821	Biogeography or	4 hrs
CGN 3700C	Civil Engineering Measurements or	4 hrs
CJE 4654	Crime and Place or	3 hrs
CJE 4663	Crime Mapping and Pattern Analysis or	3 hrs
CJE 3662	CJ Information Technology and Data Management or	3 hrs
CWR 5634	Water Resources In A Changing Environment or	3 hrs
EEL 5432	Satellite Remote Sensing or	3 hrs
EEL 5820	Image Processing or	3 hrs
HFT 4735	Tourism Geography or	3 hrs
HUM 4394	Place and Space or	3 hrs
LIT 3206	Place and Space in Literature or	3 hrs
OSE 4830	Imaging and Display or	3 hrs
PCB 4408	Urban Ecology or	3 hrs
PUP 4209	Urban Environmental Policy	3 hrs

Only one of the following two Database courses may be chosen

CET 4427	Applied Database I or	3 hrs
CGS 2545C	Database Concepts	3 hrs

Only one of the following three Computer Science courses may be chosen

COP 2500C	Concepts in Computer Science or	4 hrs
COP 3223C	Introduction to Programming with C or	3 hrs
COP 3223H	Honors Introduction to Programming with C	3 hrs

Prerequisite Courses

- None

Required Courses

- None

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 12

Other Requirements

- Earn a grade of "C" (2.0) or better in each course used to satisfy the certificate.
- At least 12 credit hours used in the certificate must be earned at UCF
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.