GEOGRAPHIC INFORMATION SYSTEMS, CERTIFICATE OF COMPLETION

The Less Than One Year Certificate of Completion Geographic Information Science (GIS) can be completed in less than one year and will give students the basic knowledge and skills to be employed in an entry level position in the GIS field. GIS is applicable to an array of careers, including forestry, natural resources, planning, real estate, and more!

GRADUATION REQUIREMENTS

Students must complete a minimum of 36 credit hours with a cumulative Grade Point Average (GPA) of 2.0 or better. All courses must be completed with a grade 'C' or better. One course must be completed at Southwestern before the Less Than One Year Certificate of Completion is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

PROGRAM STUDENT LEARNING OUTCOMES

Upon successful completion of this program the student will be able to:

- Discuss the benefits and applications of GIS and Cartographic technology
- Demonstrate skills in geographic information systems and cartographic design
- Plan and carry out GIS analyses independently
- Design, build, and use spatial databases

Course	Title	Credits
First Year		
Fall		
CIS125DB	Database Applications	3
GEOG265	Intro to Geographical Info Systems	4
MTH98	Math Literacy (or higher)	4
	Credits	11
Winter		
CIS125S	Spreadsheet Applications	3
F280 or NR280	CWE: Forestry [1] or CWE: Natural Resources	4
GEOG270	Adv Topics in Geog Info Systems	3
F222A	Elementary Forest Surveying	4
	Credits	14
Spring		
BA285	Human Relations in Organizations	3
GEOG275	Fundamentals of Cartography	3
GEOG277	GIS Capstone	1
WR115	Fundamentals of Report Writing [2]	4
	Credits	11
	Total Credits	36

[1] Call 541-888-7405 to schedule with Internship Coordinator one month prior to term.

[2] A higher writing may be substituted excluding WR241, WR242, WR243, or WR250.

* All Honors courses may substitute for their equivalent requirements.