

GEOSPATIAL TECHNOLOGY

(NDP.GIS) CERTIFICATE

The Geospatial certificate program will provide students with the knowledge and practical skills necessary to develop and manage Geographic Information projects and to interpret and implement GIS as a decision support system. This certificate will enable students 1) to develop substantial theoretical and practical competencies relating to GIS; 2) develop foundational understanding and skills in the use of industry standard software; and 3) be able to demonstrate to employers the ability to perform GIS tasks at the technician level.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
AGR-151	GPS/Applications in Ag + ^^ OR	
CET-065	Data Collection GIS Mapping * +++	2.0
GIS-090	Intro to Geospatial Technology OR	
ESC-106	Intro Geographic Info Systems ^^	4.0
GEO-140	World Geography	3.0
SEMESTER TOTALS		9.0

Second Semester

GIS-091	Advanced GIS +++	3.0
CIS ---	Information Technology Elective ^^	2.0
SEMESTER TOTALS		5.0

Summer Term

GIS-095	Geospatial Tech Internship ** +++++	3.0
SEMESTER TOTALS		3.0

TOTAL PROGRAM HOURS 17.00

SUGGESTED ELECTIVES

	Computer Aided Drafting Elective	1.0 - 3.0
CIS-052	Visual Basic * +	4.0
CIS-095	Database Management *	3.0
CIS-156	Computer Logic *	3.0
CIS-160	Practical Software Application	3.0

* There are prerequisites, course requisites, or minimum placement test scores for this course.

** Electives must be approved by the Program Coordinator

+ Course only offered fall semester

++ Course only offered spring and summer semester

+++ Course only offered spring semester

++++ Course offered in summer term only

^ SOS 050 Human Relations and PSY 271 Introduction to Psychology cannot be used as a social science elective

^^ Consult Academic Advisor for appropriate course

^^^ Course requires a 30-hour practicum experience in addition to classroom lecture hours

^^^ ECE 120 and ECE 125 must be taken the same semester

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