

UW-LA CROSSE GEOGRAPHY & EARTH SCIENCE GEOGRAPHIC INFORMATION SCIENCE CERTIFICATE (12 CREDITS)

CORE REQUIREMENTS:

GEO 305
F, S

STAT 145
F, S, Su

GEO 405
F, S, **

NOT OPEN TO GEOGRAPHY MAJORS
AND GIS MINORS

GEO 412
O, **

GEO 415
F, **

GEO 418
F, **

GEO 410
F

GEO 440
O, **

GEO 465
O, **

GEO 485
AY, **

GEO 445
S, **

G 455
S, **

SELECT AT LEAST
6 CREDITS
OF THE FOLLOWING
COURSES

PREREQUISITES: LEGEND (WHEN OFFERED):



A = ANNUALLY S = SPRING SU = SUMMER
O = OCCASIONALLY AY = ALTERNATE YEARS EY = EVEN NUMBERED YEARS
F = FALL OY = ODD NUMBERED YEARS ** = JR/SR STANDING

Geographic Information Science (GIS) Certificate**12 CREDITS****Core Requirements:**

Name	Credits	Description	Prerequisite	Offered
GEO 305	3	Geographic Information Systems and Science I	-	F, S
STAT 145	4	Elementary Statistics	-	F, S
GEO 405	3	Geographic Information System and Science II	GEO 305; STAT 145	F, S

Geospatial Techniques Electives (Choose 6 Credits)

Name	Credits	Description	Prerequisite	Offered
GEO 410	3	Geospatial Field Methods	GEO 405 or concurrent enrollment	F
GEO 412	3	Geospatial Applications of Unmanned Aerial Systems	GEO 305	O
GEO 415	3	Remote Sensing of the Environment	GEO 305	F
GEO 418	3	Map Design and Geovisualization	GEO 305	F
GEO 440	3	Geographic Interpretation of Aerial Photographs	GEO 405	O
GEO 445	3	Remote Sensing of the Environment II	GEO 415	S
GEO 455	3	Web Mapping	GEO 418	S
GEO 465	3	Scripting in GIS	GEO 405	O
GEO 485	3	Geographic Information System and Science III	GEO 405	S

* This Certificate is not open to Geography majors and GIS minors.

* Students in this certificate are required to take STAT 145.

* Offered Codes: F=Fall; W=Winter; S=Spring; Su=Summer; O=Occasionally; F-Odd=Fall; Odd Years; F-Even=Fall, Even Years; S-Odd = Spring, Odd Years; S-Even, Spring, Even Years; A=Annually; AY=Alternate Years.