GEOGRAPHIC INFORMATION SYSTEMS, CRT

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/#matriculation).

Total Hours: 15

Courses from other OSU programs that contain at least 50% of geospatial technology in the course content may be considered as alternatives for elective courses. Consult with program coordinator for qualified alternatives.

Total Hours	15

Code	Title	Hours
A minimum 3.00 GPA is required for all courses taken for the certificate program.		
Core Courses		
Select 9 hours, choose three courses:		9
GEOG 4203	Fundamentals of Geographic Information Systems	
GEOG 4343	Geographic Information Systems: Resource Management Applications	
or GEOG 5323	Geographic Information Systems: Resource Management Applications	
GEOG 4353	Geographic Information Systems: Socioeconomic Applications	
GEOG 5343	Advanced Geographic Information Systems: Resource Management Applications	
GEOG 5353	Advanced Geographic Information Systems: Socioeconomic Applications	
Elective Courses		
Select 6 hours, choose two courses, each from a different category:		6
Category I: Spatial Analysis/GIS Programming		
GEOG 3333	Spatial Analysis (A)	
GEOG 4383	Introduction to GIS Programming	
GEOG 5303	Geographic Analysis I	
GEOG 6303	Geographic Analysis II	
Category II: Spatial Data Collection, Management, and Representation		
GEOG 4263	Geospatial Applications for Unmanned Aerial Systems	
or GEOG 5263	Geospatial Applications for Unmanned Aerial Systems	
GEOG 4303	Applications of the Global Positioning System in Field Research	
GEOG 4313	Field Techniques and Geodata Collection	
GEOG 4323	Mapping in Modern Society	
GEOG 4333	Remote Sensing	
or GEOG 5333	Remote Sensing	
GEOG 6313	Mixed Methods in Field Research	
GEOG 6333	Advanced Remote Sensing	