CARTOGRAPHY AND GEOGRAPHIC INFORMATION SYSTEMS: ACCELERATED/NON-THESIS, M.S.

REQUIREMENTS

MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum academic progress and degree requirements (http://guide.wisc.edu/graduate/#policiesandrequirementstext), in addition to the program requirements listed below.

NAMED OPTION REQUIREMENTS

MODE OF INSTRUCTION

Face to Face	Evening/ Weekend	Online	Hybrid	Accelerated
Yes	No	No	No	Yes

Mode of Instruction Definitions

Accelerated: Accelerated programs are offered at a fast pace that condenses the time to completion. Students typically take enough credits aimed at completing the program in a year or two.

Evening/Weekend: Courses meet on the UW–Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.

Face-to-Face: Courses typically meet during weekdays on the UW-Madison Campus.

Hybrid: These programs combine face-to-face and online learning formats. Contact the program for more specific information.

Online: These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

CURRICULAR REQUIREMENTS

Requirement	Detail
Minimum Credit Requirement	30 credits
Minimum Residence Credit Requirement	16 credits
Minimum Graduate Coursework Requirement	Half of degree coursework (15 credits out of 30 total credits) must be completed in graduate-level coursework; courses with the Graduate Level Coursework attribute are identified and searchable in the university's Course Guide.
Overall Graduate GPA Requirement	3.00 GPA required.
Other Grade Requirements	The Graduate School requires an average grade of B or better in all coursework (300 or above, not including research credits) taken as a graduate student unless conditions for probationary status require higher grades. Grades of Incomplete are considered to be unsatisfactory if they are not removed during the next enrolled semester.
Assessments and Examinations	No formal examination is required.
Language Requirements	No language requirement.

REQUIRED COURSES

Code	Title	Credits
Core Courses		
GEOG 370	Introduction to Cartography (Core course)	4
GEOG/CIV ENGR/ ENVIR ST 377	An Introduction to Geographic Information Systems (Core course)	4
GEOG 378	Introduction to Geocomputing (Core course)	4
GEOG 778	Practicum in GIS Development (Core course)	4
Electives		
Choose four of the following:		14-16
GEOG 560	Advanced Quantitative Methods (Elective)	
GEOG 572	Graphic Design in Cartography (Elective)	
GEOG 573	Advanced Geocomputing and Geospatial Big Data Analytics (Elective)	
GEOG 574	Geospatial Database Design and Development (Elective)	
GEOG 575	Interactive Cartography & Geovisualization (Elective)	
GEOG 576	Geospatial Web and Mobile Programming (Elective)	
GEOG 578	GIS Applications (Elective)	
GEOG 579	GIS and Spatial Analysis (Elective)	
GEOG 675	Special Topics in Geography (Elective)	
Total Credits		**30-32**

Students in this program may not take courses outside the prescribed curriculum without faculty advisor and program director approval. Students in this program cannot enroll concurrently in other undergraduate or graduate degree programs.