
Information about facilities, supporting faculty and staff, and program requirements for all graduate programs in the department can be found in the Geography (http://guide.wisc.edu/graduate/geography/) listing in this catalog.

The MS (Thesis) in Cartography and Geographic Information Systems provides a broad foundation in the theory and application of mapping and geographic information sciences. Students who earn the MS (Thesis) degree are prepared to continue on for the PhD in geography or for positions in government agencies, planning organizations, environmental agencies, nongovernmental organizations, and private industry.

### ADMISSIONS

Students apply to the Master of Science in Cartography and Geographic Information Systems through one of the named options:

- Accelerated/Non-Thesis, MS (http://guide.wisc.edu/graduate/geography/cartography-geographic-information-systems-accelerated-non-thesis-ms/)
- GIS Development, MS (http://guide.wisc.edu/graduate/geography/cartography-geographic-information-systems-gis-development-ms/)
- Thesis, MS (http://guide.wisc.edu/graduate/geography/cartography-geographic-information-systems-thesis-ms/)

### FUNDING

**GRADUATE SCHOOL RESOURCES**

Resources to help you afford graduate study might include assistantships, fellowships, traineeships, and financial aid. Further funding information (https://grad.wisc.edu/funding/) is available from the Graduate School. Be sure to check with your program for individual policies and restrictions related to funding.

**PROGRAM RESOURCES**

See “How Does Funding Work?” at the Geography Master’s FAQ (https://geography.wisc.edu/graduate/graduate-programs-faq/).

### 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.

**MAJOR REQUIREMENTS**

**CURRICULAR REQUIREMENTS**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Credit</td>
<td>30 credits</td>
</tr>
<tr>
<td>Minimum Residence</td>
<td>16 credits</td>
</tr>
<tr>
<td>Graduate Coursework</td>
<td>15 credits must be graduate-level coursework. Refer to the Graduate School: Minimum Graduate Coursework (50%) Requirement policy: <a href="https://policy.wisc.edu/library/UW-1244">https://policy.wisc.edu/library/UW-1244</a> (<a href="https://policy.wisc.edu/library/UW-1244/">https://policy.wisc.edu/library/UW-1244/</a>).</td>
</tr>
<tr>
<td>Overall GPA</td>
<td>3.00 GPA required. Refer to the Graduate School: Grade Point Average (GPA) Requirement policy: <a href="https://policy.wisc.edu/library/UW-1203">https://policy.wisc.edu/library/UW-1203</a> (<a href="https://policy.wisc.edu/library/UW-1203/">https://policy.wisc.edu/library/UW-1203/</a>).</td>
</tr>
<tr>
<td>Other Grade Requirements</td>
<td>n/a</td>
</tr>
<tr>
<td>Assessments and Examinations</td>
<td>See Named Options for information.</td>
</tr>
<tr>
<td>Language Requirements</td>
<td>No language requirement.</td>
</tr>
</tbody>
</table>

**REQUIRED COURSES**

Select a Named Option (https://guide.wisc.edu/graduate/geography/cartography-geographic-information-systems-ms/#NamedOptions) for courses required.
NAMED OPTIONS

A named option is a formally documented sub-major within an academic major program. Named options appear on the transcript with degree conferral. Students pursuing the Master of Science in Cartography and Geographic Information Systems must select one of the following named options:

- CARTOGRAPHY AND GEOGRAPHIC INFORMATION SYSTEMS: ACCELERATED/ NON-THESIS, MS (HTTP://GUIDE.WISC.EDU/GRADUATE/ GEOGRAPHY/CARTOGRAPHY- GEOGRAPHIC-INFORMATION-SYSTEMS- MS/CARTOGRAPHY-GEOGRAPHIC- INFORMATION-SYSTEMS-ACCELERATED- NON-THESIS-MS/)
- CARTOGRAPHY AND GEOGRAPHIC INFORMATION SYSTEMS: GIS DEVELOPMENT, MS (HTTP://GUIDE.WISC.EDU/GRADUATE/ GEOGRAPHY/CARTOGRAPHY- GEOGRAPHIC-INFORMATION-SYSTEMS- MS/CARTOGRAPHY-GEOGRAPHIC- INFORMATION-SYSTEMS-GIS- DEVELOPMENT-MS/)
- CARTOGRAPHY AND GEOGRAPHIC INFORMATION SYSTEMS: THESIS, MS (HTTP://GUIDE.WISC.EDU/GRADUATE/ GEOGRAPHY/CARTOGRAPHY- GEOGRAPHIC-INFORMATION-SYSTEMS- MS/CARTOGRAPHY-GEOGRAPHIC- INFORMATION-SYSTEMS-THESIS-MS/)