## REQUIRED COURSES

### THESIS OPTION

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 6953</td>
<td>Research and Professional Development</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 6973</td>
<td>Thinking about Geography and Environmental</td>
<td>3</td>
</tr>
<tr>
<td>GIS 5923</td>
<td>Spatial Statistics</td>
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**Guided Electives**

Choose two GIS courses, examples include the following:
- GIS 5013: Fundamentals of Geographic Information Systems
- GIS 5133: Fundamentals of Remote Sensing
- GIS 5233: Digital Image Processing
- GIS 5253: GIS Applications
- GIS 5453: Advanced GIS and Spatial Analysis
- GIS 5653: Spatial Programming and GIS
- GEOG 5623

Choose one course in Techniques, examples include the following:
- C S 5093: Visual Analytics
- RCPL 5463: Geographic Information Systems for Land Use Planning
- RCPL 5970: Special Topics/Seminar (Advanced GIS)
- PBIO 5733: Environmental Remote Sensing
- CIES 5903: Remote Sensing Hydrology
- METR 5673: Weather Radar Theory and Practice

Choose one course in Geography
- GEOG 5980: Research for Master’s Thesis

**Total Credit Hours**

30

### NON-THESIS OPTION

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Choose two courses in Geography

**General Electives**

Choose 9 hours of graduate-level electives, as approved by the advisory committee and graduate liaison, to bring total applicable hours to 33

**Total Credit Hours**

33

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1 Guided electives will be selected by the student under guidance of her/his advisory committee and as approved by the graduate liaison.

**GENERAL REQUIREMENTS FOR ALL MASTER'S DEGREES**

The master’s degree requires the equivalent of at least two semesters of satisfactory graduate work and additional work as may be prescribed for the degree.

All coursework applied to the master’s degree must carry graduate credit.

Master’s degree programs which require a thesis consist of at least 30 credit hours. All non-thesis master’s degree programs require at least 32 credit hours.

Credit transferred from other institutions must meet specific criteria and is subject to certain limitations.

Courses completed through correspondence study may not be applied to the master’s degree.

To qualify for a graduate degree, students must achieve an overall grade point average of 3.0 or higher in all degree program coursework and in all resident graduate coursework attempted. A student must also have at least a 3.0 in all coursework (including undergraduate coursework if any).

Additional information for master's degree students may be found in the Graduate College Bulletin.