# Requirements for the Master of Science

**College of Atmospheric and Geographic Sciences**

**The University of Oklahoma**

## General Requirements

| Minimum Total Hours (Thesis) | 30 |
| Minimum Total Hours (Non-Thesis) | 33 |

## Required Courses

**Required Courses (9 hours):**

*These three courses must be completed with a B grade or better.*

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 6953, Research Methods in Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 6973, Contemporary Geographic Thought</td>
<td>3</td>
</tr>
<tr>
<td>GIS 5923, Spatial Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Guided Electives (15 hours):**

*Thesis students must take 6 hours of GEOG 5980, Research for Master’s Thesis, which will apply towards the guided elective hours.*

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

Examples of possible guided electives include:

- GEOG 5143 Ecosystem Services
- GEOG 5203 Geomorphology
- GEOG 5253 The Economics of Sustainability
- GEOG 5283 Biogeography
- GEOG 5293 Hydrologic Science
- GEOG 5343 Climate, History & Society
- GEOG 5433 Sustainability: Theory & Practice
- GEOG 5513 Applied Climatology
- GEOG 5583 Renewable Energy Resources
- GEOG 5623 Seminar in GIS Design
- GEOG 5970 Integrated Environmental Modelling
- GEOG 5970 Natural Resource Economics
- GEOG 6210 Seminar in Physical Geography
- GEOG 6240 Seminar in Resource & Environmental Geography
- GIS 5013 Fundamentals of GIS
- GIS 5133 Fundamentals of Remote Sensing
- GIS 5233 Digital Image Processing
- GIS 5253 GIS Applications
- GIS 5453 Advanced GIS & Spatial Analysis
- GIS 5653 Spatial Programming & GIS

**General Electives (6-9 hours):**

Graduate-level electives, as approved by the advisory committee and graduate liaison, to bring total applicable hours to 30 (Thesis option) or 33 (Non-Thesis option).

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A student who has done satisfactory graduate work and has earned a 3.0 grade point average may file for master’s candidacy.

Program effective SU16. Check sheet version 2/2016