## 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.*

- **GEOG 6953**, Geographic Research & Writing 3
- **GEOG 6973**, Contemporary Geographic Thought 3
- **GIS 5923**, Spatial Statistics 3

**GUIDED ELECTIVES (15-18 hours):**

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

- All students need to take two 3-hr courses in GIS (6 hrs).
- Examples of possible GIS courses include:
  - 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 and GIS
  - GEOG 5623 Seminar in GIS Design

- All students need to take one additional 3-hr Techniques course (3 hrs).
- Examples of possible Techniques courses include:
  - MIS 5613 Database Design & Management
  - CS 5093 Visual Analytics
  - METR 5393 Automated Analysis of Spatial Grids
  - RCPL 5463 Computer Mapping & GIS in Planning
  - RCPL 5970 Advanced GIS
  - PBIO 5733 Environmental Remote Sensing
  - CEES 5903 Remote Sensing Hydrology
  - METR 5673: Weather Radar

**Thesis students** need to take one 3-hr course in Geography.

**Non-thesis students** need to take at least two 3-hr Geography courses (3-6 hrs).

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

### GENERAL ELECTIVES (3-9 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).

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

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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 the 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).

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*program effective SU16. check sheet version 2/2016*