REQUIREMENTS FOR THE MASTER OF SCIENCE
COLLEGE OF ATMOSPHERIC AND GEOGRAPHIC SCIENCES
THE UNIVERSITY OF OKLAHOMA

Academic Year	General Requirements	Program
For Students Entering the Oklahoma State System for Higher Education **Summer 2023 through Spring 2024**	Minimum Total Hours (Thesis) ..... **30** Minimum Total Hours (Non-Thesis) **33**	**Geography and Environmental Sustainability: Environmental Systems** **M463 Q230** Master of Science

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

Program Code: M463 Q230

Required Courses

THESIS OPTION

Code	Title	Credit Hours
Required Courses (must be completed with a B grade or better)		
GEOG 6953	Research and Professional Development	3
GEOG 6973	Thinking about Geography and Environmental Sustainability	3
GIS 5923	Spatial Statistics	3
Guided Electives		
Choose 9 hours (p. 1)		9
GEOG 5980	Research for Master's Thesis	6
General Electives		
Choose 6 graduate-level electives, as approved by the advisory committee and graduate liaison, to bring total applicable hours to 30		6
Total Credit Hours		**30**

NON-THESIS OPTION

Code	Title	Credit Hours
Required Courses (must be completed with a B grade or better)		
GEOG 6953	Research and Professional Development	3
GEOG 6973	Thinking about Geography and Environmental Sustainability	3
GIS 5923	Spatial Statistics	3
Guided Electives		
Choose 15 hours (p. 1)		15
General Electives		
Choose 9 graduate-level electives, as approved by the advisory committee and graduate liaison, to bring total applicable hours to 33		9
Total Credit Hours		**33**

GUIDED ELECTIVES

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:

Code	Title	Credit Hours
GEOG 5143	Ecosystem Services	3
GEOG 5253	The Economics of Sustainability	3
GEOG 5283	Biogeography	3
GEOG 5293	Hydrologic Science	3
GEOG 5343	Climate, History, and Society	3
GEOG 5433	Sustainability: Theory and Practice	3
GEOG 5513	Real-world Applications of Climate and Weather Information	3
GEOG 5583	Energy Systems and Sustainability	3
GEOG 5713	Dynamic Modeling of Socio-Environmental Systems	3
GEOG 5963	Natural Resource Economics	3
GEOG 6210		1-3
GEOG 6240	Seminar in Geography and Environmental Sustainability	1-3
GIS 5013	Fundamentals of Geographic Information Systems	3
GIS 5133	Fundamentals of Remote Sensing	3
GIS 5233	Digital Image Processing	3
GIS 5253	GIS Applications	3
GIS 5453	Advanced GIS and Spatial Analysis	3
GIS 5653	Spatial Programming and GIS	3

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* 30 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).

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

More information in the catalog: (http://ou-public.courseleaf.com/atmospheric-geographic-sciences/geography-environmental-sustainability/geography-environmental-sustainability-environmental-systems-master-science/).