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 2026 through Spring 2027**	Minimum Total Hours (Thesis) ..... **30** Minimum Total Hours (Non-Thesis) **33**	**Geography and Environmental Sustainability: Geospatial Technologies** **M463 Q269 (M464 Q269 Online)** Master of Science

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 [1]		
Choose two GIS courses, examples include the following:		6
GIS 5013	Fundamentals of Geographic Information Systems	
GIS 5133	Fundamentals of Remote Sensing	
GIS 5243	Remote Sensing Applications	
GIS 5253	GIS Applications	
GIS 5453	Advanced GIS and Spatial Analysis	
GIS 5553	Advanced Remote Sensing	
Choose one course in Techniques, examples include the following:		3
GIS 5003	Spatial Data Management for GIS Professionals	
GIS 5173	Drones and Remote Sensing	
GIS 5233	Digital Image Processing	
GIS 5653	Spatial Programming and GIS	
GIS 5833	Environmental Spatial Modeling	
Choose one course in Geography		3
GEOG 5980	Research for Master's Thesis	6
General Electives		
Choose 3 hours of graduate-level electives, as approved by the advisory committee and graduate liaison, to bring total applicable hours to 30		3
Total Credit Hours		**30**

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

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 [1]		
Choose two GIS courses, examples include the following:		6
GIS 5013	Fundamentals of Geographic Information Systems	
GIS 5133	Fundamentals of Remote Sensing	
GIS 5243	Remote Sensing Applications	
GIS 5253	GIS Applications	
GIS 5453	Advanced GIS and Spatial Analysis	
GIS 5553	Advanced Remote Sensing	
Choose one course in Techniques, examples include the following:		3
GIS 5003	Spatial Data Management for GIS Professionals	
GIS 5173	Drones and Remote Sensing	
GIS 5233	Digital Image Processing	
GIS 5653	Spatial Programming and GIS	
GIS 5833	Environmental Spatial Modeling	
Choose two courses in Geography		6
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		9
Total Credit Hours		**33**

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

SUGGESTED GEOGRAPHY ELECTIVES

Examples of possible Geography courses include:

Code	Title	Credit Hours
GEOG 5023	Geography of Health and Disease	3
GEOG 5033	Human Dimensions of Global Environmental Change	3
GEOG 5043	Urban Climatology	3
GEOG 5123	Cities and Society	3
GEOG 5183	Patterns and Processes in Landscape Ecology	3
GEOG 5273	Regional Climatology	3
GEOG 5283	Biogeography	3
GEOG 5293	Hydrologic Science	3
GEOG 5313	Interpreting Society and Environment: Qualitative Research Methods	3
GEOG 5343	Climate, History, and Society	3
GEOG 5423	Environmental Justice	3
GEOG 5713	Dynamic Modeling of Socio-Environmental Systems	3
GEOG 5943	Natural Hazards	3
GEOG 6240	Seminar in Geography and Environmental Sustainability	1-3

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-geospatial-technologies-master-science/).