

# M.S. in Applied Geography

@ U of L

## Department Mission

The mission of the Department of Geography & Geosciences is to foster inquiry about the physical and social realms of the world's environments and the interactions that occur between these two realms. Faculty members provide students with the general concepts, the factual information and specific skills to pursue successful careers and contribute to their local and global communities.

## Course Offerings

### Foundations (15 hours)

GEOG 600: History and Philosophy of Geography  
GEOG 640: Approaches and Methods in Applied Geography  
GEOG 641: Research Design and Proposal Development in Applied Geography  
GEOG 656: Advanced Spatial Statistics in Applied Geography  
GEOG 660: Qualitative Methods for Applied Geography

### Electives (15 hours)

GEOG 521: Medical Geography  
GEOG 522: GIS and Public Health  
GEOG 528: Urban Geography  
GEOG 530: Transportation Geography  
GEOG 531/631: Urban Demography  
GEOG 535: Retail Site Analysis  
GEOG 555: Remote Sensing & Image Processing  
GEOG 557: Geographic Information Systems  
GEOG 561: Urban Environment  
GEOS 564: Hydrology  
GEOS 565: Natural Hazards  
GEOG 570: Geography of Gender  
GEOG 590/690: Special Topics  
GEOG 691: Research and Independent Study  
Up to 2 outside courses @ 500- or 600-level (with approval)

### Thesis (6 hours)

GEOG 698: Thesis

### Co-op/Internship opportunities

GEOG 501: Co-op

## Eligibility & Admissions

Students from geography and related fields are encouraged to apply. All applicants must have completed a B.A. or B.S. with a cumulative grade point average of 3.0 and a combined score of at least 1000 on the GRE. Applicants must submit three (3) letters of recommendation addressing candidate skills and readiness for graduate study.

## The University of Louisville

The University of Louisville, once the oldest city-supported college in the nation, joined the Kentucky university system in 1970. The University includes 3 campuses and 11 colleges and schools. Its mission is to be Kentucky's premier, nationally-recognized metropolitan research university. The University includes nearly 22,000 students, over 6,000 faculty and staff members, and a library system that houses over 2,000,000 volumes and nearly 40,000 serials. For more information about the University, visit <http://louisville.edu/>.

## Louisville, Kentucky

Louisville Metro ranks as the 17<sup>th</sup> largest city in the nation and the largest in the Commonwealth of Kentucky with a metro population of 1.25 million. Named the Most Livable City by the Conference of Mayors, Louisville has award-winning performing arts groups including the Louisville Ballet, Louisville Orchestra and Actors Theatre of Louisville. The parks system includes three city parks designed by Frederick Law Olmsted as well as the Jefferson Memorial Forest – the largest urban municipal forest in the country. Check out more details at <http://www.louisvilleky.gov/Visitors/>.

Faculty Name	Degree Institution	Research Areas
Jafar Hadizadeh, Ph.D.	Imperial College (UK)	Geomorphology, Geologic Hazards, Environmental Geology, Earth Science Education
Carol L. Hanchette, Ph.D.	University of North Carolina, Chapel Hill	Medical Geography, Spatial Analysis, GIS, Geographic and GIS Education
David A. Howarth, Ph.D.	The Ohio State University	Climatology, Meteorology, Urban Climatology, Geographic Education
George A. Lager, Ph.D.	University of British Columbia	Earth Materials, Remote Sensing, Quantitative Experimental Methods, Geochemistry
Clara A. Leuthart, Ph.D.	University of Louisville	Hydrology, Water Resources, Environmental Sciences, Biogeography, GIS
Jessica L. McCarty, Ph.D.	University of Maryland, College Park	Remote Sensing, GIS, Fire, Agriculture, Land Use/Land Cover Change
Keith R. Mountain, Ph.D.	The Ohio State University	Glaciology, Climatology, Geographic Education
Wei Song, Ph.D.	The Ohio State University	Transportation and Location Analysis, Urban and Regional Studies, GIS, Quantitative Methods, China and Asia
Haifeng (Charlie) Zhang, Ph.D.	University of South Carolina	Urban and Social Issues, Race and Ethnicity, GIS, Spatial Analysis Methods, China

## Contact

For information about the M.S. program in Applied Geography, please contact:

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