

Twelve fully funded graduate assistantships with \$25,000 salary, benefits, and tuition support are available for Fall 2019 through the Ph.D. program in Geospatial Analytics (go.ncsu.edu/geospatial-phd) at the Center for Geospatial Analytics (geospatial.ncsu.edu) at North Carolina State University. The application deadline is February 1, 2019.

Students in the Geospatial Analytics doctoral program work on a diverse range of data science frontiers intersecting multiple disciplines, with funding available from the Ph.D. program as well as from external grants secured by faculty. The following opportunities are a sample of externally funded assistantships available for Fall 2019, each fully funded for four years. Interested students are encouraged to contact Rachel Kasten, Graduate Services Coordinator (rachelkasten@ncsu.edu or 919-515-2800), with any questions or inquiries about additional opportunities. Further details and complete application instructions are available at go.ncsu.edu/geospatial-phd.

- Landscape Connectivity Dynamics in Surface Water Networks — Join the Geospatial Analysis for Environmental Change Lab to investigate climate and land-use change effects on landscape connectivity dynamics.
- Seasonality from Space — Join the Spatial Ecosystem Analytics Lab on a NASA-funded project investigating satellite data fusion and time series analysis.
- Winter Weather — Join the Environment Analytics group to study the complex interactions within snow storms and wintery mix storms.
- Modeling Forest and Water Resources under Changing Conditions — Join the Watershed Ecology lab group and combine various data sources to create projections of future landscape conditions.
- Modeling Agricultural and Water Resource Dynamics — Join the Biosystems Analytics Lab to study the effects of global and local change on fresh and estuarine water quality, land-sea connectivity and agroecosystem productivity.
- Surface Water Dynamics from Space — Join the Geospatial Analysis for Environmental Change Lab to investigate hydroclimatic drivers of surface water extent dynamics and advance quantification of water extent and

volume.

- Remote Sensing Forest Gap Dynamics — Join the Applied Remote Sensing and Analysis lab group to examine the role and influence of forest gaps in relation to localized large-scale disturbances.

The Center for Geospatial Analytics at NC State is the foremost interdisciplinary research and teaching center of its kind in the nation. We are a collaborative hub for integrative data scientists advancing novel understanding of spatial phenomena and applying new knowledge to grand challenges. Students in the Ph.D. program receive multidisciplinary advising and the opportunity to work with over twenty faculty fellows with diverse expertise from nearly a dozen departments across NC State. Students also engage in experiential learning through an off-campus professional externship.

For more information about the Ph.D. program in Geospatial Analytics or to start your application, visit go.ncsu.edu/geospatial-phd.