Geospatial Analytics

The Center for Geospatial Analytics innovative Ph.D. program brings together departments from across NC State University to train a new generation of interdisciplinary data scientists skilled in developing novel understanding of spatial phenomena and in applying new knowledge to grand challenges. Our program includes:

• Fully funded graduate assistantships with $30,000/year salary plus benefits and tuition support.
• Multidisciplinary advising from over a dozen departments across the university
• Curriculum offering core courses in topics such as remote sensing, geovisualization, and data mining, as well as discipline-specific electives
• Experiential learning including a professional seminar, conference travel opportunities, and geospatial externship

Our values:

• Prioritizing student mental health and well-being
• Open data and data ethics
• Environmental and social justice
• Collaboration, community and equity

We are especially committed to increasing the representation of students that have been historically underrepresented in U.S. higher education.

If your research goals intersect geospatial problem-solving from any number of fields, you will find your fit here. Our Faculty Fellows advise students interested in a range of disciplines—from design, to social and behavioral sciences, natural resources and the environment, computer science, engineering and more—and approach their work in a range of geospatial research areas. Students with strong backgrounds in quantitative methods in geography, data science, remote sensing and earth sciences are strongly encouraged to apply.

Degrees

• Geospatial Analytics (PhD) (http://catalog.ncsu.edu/graduate/natural-resources/geospatial-analytics/geospatial-analytics-phd/)

Full Professors

Sankarasubramanian Arumugam
Emily Zechman Berglund
DelWayne R. Bohnenstiehl
David Brian Hill
Yu-Fai Leung
Ross Kendall Meentemeyer
Helena Mitasova
Stacy Arnold Charles Nelson
Peter Ojiambo

Associate Professors

Justin Scott Baker
Caren Beth Cooper
Bethany Brooke Cutts
James Aaron Hipp
Christopher Lee Osburn
William Michael Rand
Marcelo Luise Ardon Sayao
Mirela Gabriela Tulbure
Ranga Raju Vatsavai
Benjamin Allen Watson
Karl William Wegmann

Assistant Professors

Eleni Bardaka
Eric Charles Edwards
Joshua Michael Gray
Anders Schmidt Hueth
Gustavo Machado
Katherine Lee Martin
Ashly Margot Cabas Mijares
Natalie Genevieve Nelson Sagues
Daniel R. Obenour
Jamian Krishna Pacifici
Jelena Vukomanovic
Elsa Youngsteadt

Practice/Research/Teaching Professors

Perver Korca Baran
Daniela Jones
Eric Shane Money
Adjunct Faculty
Adam J. Terando

Research Associates
Georgina Sanchez Salas

Instructors
Vaclav Petras
Anna Petrasova