

# Geospatial Analytics

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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. 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.

## Student Financial Support

All admitted students receive a fully funded graduate assistantship with a minimum \$30,000/year salary, plus health insurance and tuition waiver, renewable for up to four years. Assistantships can be a combination of teaching and research.

## More Information

Program Website (<https://cnr.ncsu.edu/geospatial/academics/phd-in-geospatial-analytics/>)

Our most competitive applicants will have

- Significant quantitative research experience outside of the classroom, beyond basic data collection or data entry
- Computational/quantitative background, including a combination of the following coursework or demonstrated skills: statistics, advanced mathematics, quantitative research methods, R, Python
- Prior coursework, background and/or research interests in the area of geospatial analytics
- For international applicants: IBT TOEFL score # 80 overall (18 in each section), IELTS score # 6.5 on each section, Duolingo English # 110. Scores are not required for citizens of these countries (<https://grad.ncsu.edu/students/rules-and-regulations/handbook/english-as-official-language/>) or who have completed at least one year of full time study at U.S. college or university

## Applicant Information

- **Entrance Exam:** None
- **Delivery Method:** On Campus

## Application Deadlines

- **Fall:** February 1

## 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

Brian J. Reich

Robert Michael Scheller

Sandra E. Yuter

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## 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

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## Assistant Professors

Eleni Bardaka

Eric Charles Edwards

Joshua Michael Gray

Anders Schmidt Huseth

Gustavo Machado

Katherine Lee Martin

Ashly Margot Cabas Mijares

Zhen Qu

Natalie Genevieve Nelson Sagues

Daniel R. Obenour

Jamian Krishna Pacifici

Jelena Vukomanovic

Elsa Youngsteadt

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## **Practice/Research/Teaching Professors**

Perver Korca Baran

Daniela Jones

Eric Shane Money

Jennifer Richmond-Bryant

Laura Gray Tateosian

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## **Adjunct Faculty**

Adam J. Terando

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## **Researchers**

Georgina Sanchez Salas

Chris Jones

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## **Instructors**

Vaclav Petras

Anna Petrasova