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. 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: GRE
- 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

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 Husethe
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
Jennifer Richmond-Bryant
Laura Gray Tateosian

Adjunct Faculty
Adam J. Terando

Researchers
Georgina Sanchez Salas
Chris Jones

Instructors
Vaclav Petras
Anna Petrasova