

# Geospatial Information Science & Technology

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The Master of Geospatial Information Science and Technology (MGIST) equips students with the necessary knowledge and tools to become high-end geospatial professionals using a unique curriculum that leverages NC State's strengths in computational and data sciences, information technology, and interdisciplinary training in combination with professional skills development in areas of project management, technical writing, and communications. The MGIST was designed to be completed entirely online, allowing flexibility for both students just entering the work force and working professionals.

Through a combination of geospatial theory, hands-on applications, and client-based service-learning experiences, students graduate from the program with a solid foundation to provide a wide range of geospatial expertise for local, state, national, and international organizations.

## Admissions Requirements

Admission to the program requires an undergraduate GPA of 3.0 or better, a professional resume, a personal statement describing the applicant's professional ambitions and experience, and 3 letters of reference. Students with less than a 3.0 undergraduate GPA may be considered for provisional admission into the MGIST or referred to the GIS Certificate program to enhance skills and prepare for reapplication to the MGIST.

## Master's Degree Requirements

The MGIST degree requires 33 course credit hours including a 3-credit-hour Capstone course and development of a professional portfolio highlighting geospatial analytic skills and competencies. A cumulative GPA of 3.0 or better is required in order to graduate. Specific course requirements are listed on the MGIST web site.

## Student Financial Support

Students in this program are eligible for financial aid and may compete for program assistantships and internships.

## Other Relevant Information

The GIS program also offers a Graduate Certificate in GIS (<https://online-distance.ncsu.edu/program/graduate-certificate-in-geographic-information-science/>) (12 credit hours). Certificate students may transfer up to 12 credits of B or better grades upon application and acceptance into the MGIST program.

## Degrees

- Geospatial Information Science and Technology (MR) (<http://catalog.ncsu.edu/graduate/natural-resources/geospatial-information-science-technology/geospatial-information-science-technology-mr/>)
- Geographic Information Systems (Certificate) (<http://catalog.ncsu.edu/graduate/natural-resources/graduate-certificate/geographic-information-systems-certificate/>)

## Faculty

### Full Professors

Sankarasubramanian Arumugam

DelWayne R. Bohnenstiehl

David A. Crouse

George D. Garson

Christopher Graham Healey

Ronnie William Heiniger

George R. Hess

Hamid Krim

Thomas J Kwak

Duane K. Larick

Yu-Fai Leung

Jay Frederick Levine

Ross Kendall Meentemeyer

Helena Mitasova

Stacy A. C. Nelson

Margery Frances Overton

William John Rasdorf

Gary T. Roberson

Sandra E. Yuter

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### Associate Professors

William R. Smith

Ranga Raju Vatsavai

Karl William Wegmann

Jeffrey G. White

Stephen B. Wiley

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### Assistant Professors

Jelena Vukomanovic

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### Practice/Research/Teaching Professors

Perver Korca Baran

Eric Shane Money

Stacy Kathleen Supak

Laura Gray Tateosian

Vaishnavi Thakar