



# M.S. AND PH.D. IN NANOENGINEERING

The Master of Science and Doctor of Philosophy in Nanoengineering is designed for individuals from diverse science and engineering background who desire to conduct advanced engineering research at the nanometer scale. Graduates are prepared to seek positions in industry, government, academia in fields that utilize nanotechnology. Graduates will be professional, effective communicators and leaders in supply chain, operations, manufacturing, information technology, construction, and graphics.

## For More Information

Joint School of Nanoscience and Nanoengineering  
2907 E Gate City Blvd  
Greensboro, NC 27401  
<http://jsnn.ncat.uncg.edu>

## Graduate Coordinator

Prof. Lifeng Zhang  
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336-285-2875

## Research Focus Areas

Nanomaterials  
Nanometrology  
Nanobioelectronics  
Nanobioelectronics  
Nanobiology  
Nanomedicine  
Nanoenergy  
Nanoenvironment  
Computational Nanotechnology

## Joint School of Nanoscience and Nanoengineering

The Joint School of Nanoscience and Nanoengineering (JSNN) is an academic collaboration between North Carolina Agricultural and Technical State University (NCA&TSU) and the University of North Carolina at Greensboro. JSNN builds on the strengths of the two universities in engineering and in basic sciences to offer innovative, cross-disciplinary graduate programs that will train engineers and scientists in various emerging areas of nanoscience and nanoengineering.

## Limited Only by Your Imagination



## Research Facilities

TJSNN is a flagship research facility located at Gateway University Research Park South Campus.

- Over 100,000 sq. ft. of cleanroom, laboratory, office and meeting space
- Advanced nano-, micro-, chem-, bio-, computational labs, valued in excess of \$80,000,000
- Over 100 state-of-the-art fabrication, synthesis, characterization, test, microscopy and modeling tools
- National Nanotechnology Coordinated Infrastructure (NNCI)
- Southeastern Nanotechnology Infrastructure Corridor (SENIC)

## Fellowships and Assistantships

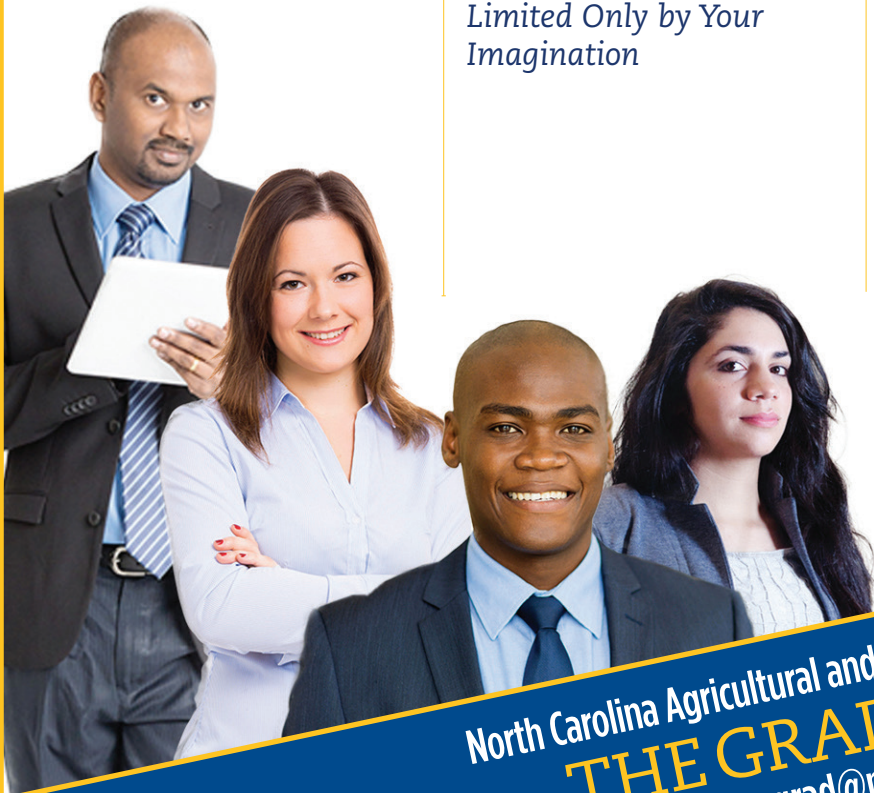
- Nearly 90% of current students receive some form of assistantship and tuition waiver
- Title III HBGI PhD Fellowship
- NSF Research Traineeship (NRT) in Microbiomes
- Dean's Fellowship
- Graduate Research and Teaching Assistantships

## Application Requirements

Undergraduate degree in engineering or applied sciences (mathematics, physics, chemistry, biology or computer science), Application fee, Transcripts, 3 recommendation letters, personnel statement, resume, GRE score (for PhD applicants only) and TOEFL (for international applicants)

Online application at <http://www.ncat.edu/tgc>

North Carolina Agricultural and Technical State University  
**THE GRADUATE COLLEGE**  
grad@ncat.edu • 336-285-2366  
<https://graduateadmissions.ncat.edu>



# NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY

# THE GRADUATE COLLEGE

## OUR RESEARCH STRENGTHS

- Aerospace and Transportation Systems
- Biomedical Research
- Biotechnology & Biosciences
- Computer and Computational Sciences
- Defense and National Security
- Energy and the Environment
- Food Science
- Human Health, Nutrition and Wellness
- Leadership and Community Development
- Nanotechnology and Multi-Scale
- Social and Behavioral Sciences
- Transportation and Logistics

## AGGIE POINTS OF PRIDE

- Ranked by the Carnegie Classification of Institutions of Higher Education as “doctoral/research university”
- Ranked third within the UNC System in research funding, with over \$56 million in sponsored programs and nearly \$7 million in appropriations for agricultural research and cooperative extension
- Received the National Science Foundation’s prestigious Engineering Research Center (ERC) grant for biomedical engineering and nano-bio applications research totaling more than \$18 million over five years
- Received a National Science Foundation’s Math S-STEM Program in Mathematics grant
- The National Council on Teacher Quality (NCTQ) preparation programs among the top in the state
- North Carolina A&T graduates students in STEM disciplines at nearly twice the rate of the UNC system average
- The Triangle Business Journal has reported that North Carolina A&T State University ranks No. 1 among historically black colleges and universities in North Carolina and No. 4 in the UNC System for the highest return on investment of colleges and universities

## ADMISSIONS REQUIREMENTS and DEADLINES

### ADMISSION REQUIREMENTS

- Online application
- Application fee
- Transcripts
- Personal statement
- Recommendation letters

\* Some programs require standardized test scores and/or on campus interviews

### IMPORTANT APPLICATION DEADLINES

	Priority	US Citizen	International
Fall	February 1	July 1	June 1
Spring	September 1	November 1	October 1
Summer	NA	April 1	NA

Earlier deadlines for certain programs apply. Check [www.ncat.edu/tgc](http://www.ncat.edu/tgc) and click Graduate Admissions–Admission Application Requirements and Instructions.

### FINANCING GRADUATE STUDIES

For detailed information on tuition, fees, and related costs of education, assistantships, fellowships, and other financial assistance visit [www.ncat.edu/tgc](http://www.ncat.edu/tgc) and click Financial Information.



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