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
lzhang@ncat.edu
336-285-2875

Research Focus Areas
- Nanomaterials
- Nanometrology
- 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
JSNN 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

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<th>Fall</th>
<th>Priority</th>
<th>US Citizen</th>
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<tr>
<td></td>
<td>February 1</td>
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<tr>
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<td>September 1</td>
<td>November 1</td>
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<tr>
<td>Summer</td>
<td>NA</td>
<td>April 1</td>
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Earlier deadlines for certain programs apply. Check 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 and click Financial Information.