



Ph.D. in APPLIED SCIENCE AND TECHNOLOGY

Program Overview

The **Ph.D. in Applied Science and Technology** is designed for students from diverse science and technology backgrounds who desire to conduct research in one of six concentrations:

- Applied Chemistry
- Applied Physics
- Bioscience
- Data Science & Analytics
- Information Technology & Technology Management
- Atmospheric, Environmental & Energy Science

Graduates are prepared for success in industry, government, and academia.

For More Information

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336-285-2329

www.ncat.edu/cost/departments/ast

Admission Requirements

A B.S. or M.S. in a science, technology, engineering or math discipline.

- M.S. to Ph.D. Option: GPA at least 3.25/4.0.
- B.S. to Ph.D. Option: GPA at least 3.5/4.0.

GRE scores are required.

Research Areas

Hurricanes
Climate
Atmospheric Chemistry
Material & Polymer Science
Biochemistry
Medicinal Chemistry
Bioinformatics
Computational Biology
Microbiology
Energy
Environmental Science
GIS and Remote Sensing
Nuclear Physics
Sustainable Construction
Internet of Things
Advanced Manufacturing
Microfluidics & Microreactors

NSF CREST Bioenergy Center

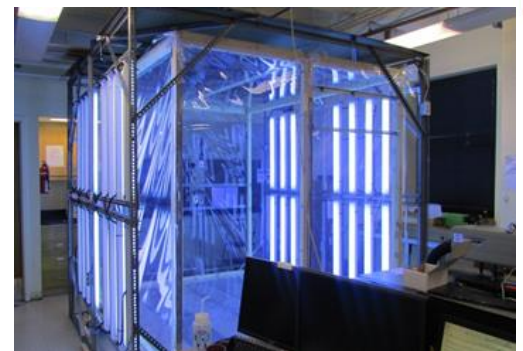
Thermochemical biomass conversion technology for the efficient, economic production of liquid transportation fuels and hydrogen



Financial Aid

Faculty members associated with the Applied Science and Technology program have research projects funded by NSF, NASA, DOE, USDA, EPA, DoD, and NIH. Competitive financial aid packages are available that include tuition, fees, health insurance, teaching assistantships, and research assistantships. Financial aid is based on merit and availability of funds.

Title III HBGI Fellowship for native Black Americans:
www.ncat.edu/divisions/academic-affairs/title-III/hbgi.html



North Carolina Agricultural and Technical State University
THE GRADUATE COLLEGE
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<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 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.

CONTACT INFO

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