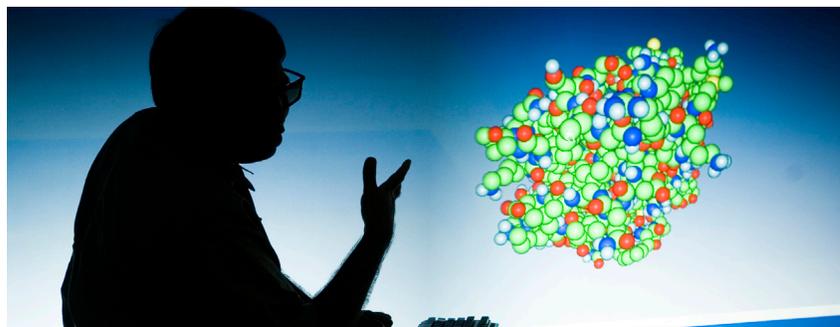




# *MASTER OF SCIENCE IN* **CHEMISTRY**



## **NORTH CAROLINA A&T STATE UNIVERSITY** **SCHOOL OF GRADUATE STUDIES**



### RESEARCH AREAS

- Environmental Remediation
- Computational Structural Biochemistry
- Biosensors
- Nanocatalysts for Fuels & Fuel Cells
- Food-borne Pathogenesis
- Coordination Polymers
- Luminescent Sensor Materials
- Chemoprevention Chemistry
- Biopolymers
- Cell Biology on Modified Surfaces for Drug Toxicity Screening
- White Light Emitting Materials
- Curriculum and Instruction Development

### FOR MORE INFORMATION

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Program website  
<http://casweb.ncat.edu/~chemistry/>

The mission of the chemistry program at North Carolina Agricultural and Technical State is to provide the theoretical and experimental training for post-baccalaureate students, leading to Masters level degrees in chemistry and teaching. In addition, the department prepares world-class students who pursue advanced professional and doctoral degrees around the world. Moreover, courses are offered that may be used for renewal of teacher certificates. The Department of Chemistry has over 24 graduate students actively pursuing research in all areas of chemistry. Two PhD students from Energy and Environmental Systems are currently pursuing their research with chemistry faculty members. Most graduate students get support as graduate research or teaching assistants. Competitive scholarships are also available.

A chemistry graduate student at NCAT will study and live in a research environment that is collegial and contributes to life-long learning. This is possible because the Department of Chemistry has excellent student-professor relationships, outstanding course offerings, and excellent instructional and laboratory facilities.

#### FACILITIES AND RESOURCES

- Atomic Absorption Spectroscopy
- Nuclear Magnetic Resonance
- X-RAY
- Mass Spectroscopy
- Laser Spectroscopy
- Biochemical Core
- Computational Chemistry

#### EMPLOYMENT OPPORTUNITIES

Graduates of the program find employment in industry, academia and the government. They enjoy careers in research, teaching, engineering, business, medicine, dentistry, pharmacology, forensic sciences and biotechnology. Many of our graduates go on to pursue advanced degrees at prestigious graduate, dental and medical schools across the country.

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