North Carolina Agricultural and Technical State University

MS and Ph.D. in Computational Science and Engineering

The M.S. and Ph.D. in Computational Science and Engineering prepares students for interdisciplinary computationally oriented research and technical careers in industry, government, and academia with emphasis on the application and development of computational modeling analysis in engineering, the sciences, technology, business and computing.

Research Laboratories and Centers

- Research High Performance Computing Laboratory
- Scientific Visualization Laboratory
- Modeling and Simulation Analysis Laboratory

Funding Opportunities

Faculty and other affiliated faculty with the computational science and engineering department have a number of research projects funded by **Department of Defense, Defense Threat Agency, NSF, Department of Energy and industry.** In addition to tuition remission, students may receive teaching and research assistantships. A limited number of University and Graduate School fellowships and Title III fellowships for eligible students are also available. Financial aid is based on merit and availability of funds.

Employment Opportunities

Graduates of the program find employment with government agencies, federal laboratories (**NAVSEA, NAVAIR, NASA, NOAA, ARL, NRL, ONRL, etc**) and large multinational firms such as **General Dynamics, Lockheed Martin, Shell, Caterpillar, Wolfram Research, IBM, Cummins, Raytheon, General Motors, Exxon Mobile, Pharmaceutical, and insurance industries depending on their core engineering, science, technology and business background.**

Admission

For Admissions requirements, please visit the Graduate School website.

Research Areas

- Computational modeling and simulation in physical and engineering sciences
- Enabling technologies, visualization, high performance computing
- Computational modeling and simulation in non-physical disciplines such as bioinformatics, social networks, econometrics, and logistics

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Program website
www.eng.ncat.edu

Graduate School website
www.ncat.edu/~grad