

# North Carolina Agricultural and Technical State University



## Master of Science in Electrical Engineering

## Doctor of Philosophy in Electrical Engineering

**The Master of Science and the Doctor of Philosophy in Electrical Engineering** emphasize four areas of concentration: (1) Computer Engineering, (2) Communications and Signal Processing, (3) Electronic and Optical Materials and Devices, and (4) Power Systems and Control.

### Research Laboratories and Centers

- Center of Excellence for Battlefield Capability Enhancement
- Image Processing and Computer Vision Laboratory
- Machine Intelligence and Power Associated Research Laboratory
- Molecular Beam Epitaxy Laboratory
- Autonomous Control and Information Technology Center
- NSF Advanced Space Technologies Research & Engineering Center

### Funding Opportunities

Faculty in the Electrical and Computer Engineering Department have a number of research projects funded by **NSF**, **NASA**, and many **DOD** agencies. In addition to tuition remission, students may receive teaching and research assistantships. A limited number of fellowships are also available. Financial aid is based on merit and availability of funds.

### Employment Opportunities

Graduates of these programs find employment in industry, government agencies and universities. Those employers include **Northrop Grumman**, **Department of Defense**, **Cummins** and **Intel**. Some of our graduates go on to pursue doctoral work at prestigious research universities such as Georgia Tech, Virginia Tech and Michigan State.

### Admission

For Admissions requirements, please visit the Graduate School website.



### Research Areas

- Wireless sensor networks
- Data mining, soft computing, pattern recognition
- Robotics and Control—Machine Learning
- Pervasive Computing
- Semiconductor materials: growth & characterizations
- Smart micro grids
- Software defined radio

### For More Information

#### Program Coordinator

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#### Program website

[www.eng.ncat.edu](http://www.eng.ncat.edu)



#### Graduate School website

[www.ncat.edu/~grad](http://www.ncat.edu/~grad)