MASTER OF SCIENCE IN
TECHNOLOGY MANAGEMENT

Program Overview

The Master of Science in Technology Management (MSTM) program provides graduate level education for highly motivated professionals concerned with the supervision of personnel across the technical spectrum and a wide variety of complex technological systems. Graduates of this program play leadership roles involving technology innovation, development and deployment of new technologies across a broad spectrum of industries, and decision-making to improve business performance.

The program is offered both online and on campus. Three optional concentrations are: Six Sigma, Advanced Manufacturing, and Construction Management.

Admission Requirements

- Bachelor's degree from an accredited institution in a related field
- GPA of 3.0 or better (on a scale of 4.0)
- Two recommendation references
- Personal statement
- (International students only) TOFEL (>79) or IELTS (>6.0)
- Conditional admission may be considered

Degree Requirements

Total credit hours: <u>30 Hours</u>

- All students: 12 Hours of Program Core Courses (AET 701, 702, 703, and 704).
- Thesis option: (1) 12 Hours of AET and/or other relevant graduate level electives, (2) 6 Hours of thesis research.
- Non-thesis option: 18 Hours of AET or other relevant graduate electives with approval from the advisor.
- Concentration: Students can choose a concentration by taking 12 Hours of specified courses in Six Sigma, Advanced Manufacturing, and Construction Management.

Faculty Research Areas

- **Engineering Technology**
  - Advanced manufacturing
  - Advanced materials
  - Artificial intelligence
  - Automotive technologies
  - Combustion and propulsion
  - Computer graphics
  - Cyber-physical systems
  - Energy storage and batteries
  - Fire protection
- **Technology Management**
  - Project management
  - Quality control
  - Supply chain management
  - Technology innovation
- **Construction Management**
  - Construction safety & risk management
  - Housing and energy assessment
  - Sustainable materials & construction

Employment Opportunities

Graduates of the program find employment in manufacturing and technology companies, construction firms, and government agencies. Some continue their doctoral study in technology management or related field.

Job titles for graduates include (but not limited to): Chief Executive Officer, Chief Technology Officer, Project Manager, Quality Manager/Engineer, Supply Chain Manager, Technology Manager, Network or IT Manager, and Business Analyst.

Examples of companies that hire our graduates include Amazon, AT&T, Balfour Beatty Construction, IBM, John Deere, Kiewit Construction, Microsoft, Northrop Grumman, and Volvo.

Financial Aid

Competitive financial aid packages are available from university and faculty funded projects that include tuition, fees, health insurance, teaching assistantships, and research assistantships. Financial aid is based on merit and availability of funds.

Contact Information

Dept. of Applied Engineering Technology
aet@ncat.edu; 336-334-7585
Dr. Frank Lu, Graduate Coordinator,
xlu@ncat.edu; 336-285-3111

North Carolina Agricultural and Technical State University
THE GRADUATE COLLEGE
grad@ncat.edu • 336-285-2366
https://graduateadmissions.ncat.edu