

Master of Science in Technology Management (TEMG), Effective AY2021-2022

Department of Applied Engineering Technology, College of Science and Technology

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The [Master of Science in Technology Management](#) (TEMG) 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, and decision-making to improve business performance. Students have the option to choose one of the following three concentrations: Six Sigma, Advanced Manufacturing, and Construction Management.

Degree Requirements: 30 credit hours after a B.S. degree

A. Program Core Courses - 12 hours: AET 701, AET 702, AET 703, AET 704

1. AET 701 Technology Management Principles
2. AET 702 Technology Management Strategies
3. AET 703 Technology Management Analytics
4. AET 704 Technology Management Research

B. Program Elective Courses - 18 hours

Students by default have no concentration. They can take any additional graduate level courses (a total of 18 hours) with the approval of her/his advisor. If a student desires to have a concentration, she/he must choose one from the following three concentrations and take their required courses. The name of the concentration will show on the student's transcript.

Concentration	Required Courses
Six Sigma	<ol style="list-style-type: none">1. AET 610 Six Sigma2. AET 705 Design of Experiments3. AET 722 Six Sigma Advanced Topics4. AET 772 Strategic Concepts in Quality
Advanced Manufacturing	<ol style="list-style-type: none">1. AET 674 Automation and Control Systems2. AET 675 Digital and Smart Manufacturing3. AET 710 Advanced Manufacturing4. An elective graduate course related to Advanced Manufacturing
Construction Management	<ol style="list-style-type: none">1. CM 692 Project Management2. CM 708 Construction Cost Estimating and Project Controls3. CM 710 Advanced Construction Practices and Organization4. CM 764 Risk Management in Construction

B.1. Non-thesis Option (Open elective courses)

Student can take any graduate courses at N.C. A&T, with approval from the advisor.

B.2 Thesis Option (Must complete a M.S. thesis)

Student must take AET 791 (1-6 hours) and meet all thesis completion requirements.