

M.S. Technology Management
CCSU Department of Manufacturing & Construction Management
<http://www.technology.ccsu.edu/programs/information/mcm.html>



Program Description

The Master of Science in Technology Management provides students with academic experiences that enable them to develop professionally and effectively direct change and productivity in business and industry. Flexibility is the cornerstone of this degree. Core program requirements focus on managerial responsibility, human relations and communication processes, project management, financial analysis, applied research and use of the computer as an industrial tool. Directed electives may include internal marketing strategies, product research and control and development of technical skills, as well as total quality system management. Graduate study plans in technology are individually designed by faculty advisers to prepare responsible professionals in the field. The needs and interests of students with established careers as technical managers in corporations are considered, as well as those individuals who aspire to leadership positions in business and industry. Some of the courses for this degree are offered online.

Program and Specializations

The Master of Science in Technology Management consists of three different plans. Plan A is 30 credits with a 3 credit thesis, Plan B is 33 credits with comprehensive exam, and Plan C is 30 credits with a 3 credits applied research project. All three plans have the following core curriculum:

Core Requirements: 18 credit hours

Course Number	Course Title	Credits
IT 500	Industrial Applications of Computers	3
IT 502	Human Relations and Behavior in Complex Organizations	3
IT 510	Industrial Operations Management	3
IT 551	Project Management	3
IT 594	Research Methods in Technology	3
AC 521	Accounting and Performance Measurement for Lean Enterprises	3

Directed Electives (Strands): 12-15 credit hours

These are courses in technology at the 400-, 500- level as approved by a faculty adviser. This allows the student flexibility to develop a specialization.

- Lean Manufacturing and Six Sigma
- Supply Chain and Logistics Management
- Environmental and Occupational Safety

Capstone Requirement. Select one of:

Plan A: IT 599 Thesis (3 credits)

Plan B: Comprehensive exam (0 credits)

Plan C: IT 595 Applied Research Project (3 credits)

Note: No more than nine credits at the 400 level, as approved by the graduate advisor, may be counted toward the graduate planned program of study.



Directed Electives (Strands): 12-15 credit hours

- **Lean Manufacturing and Six Sigma Quality**
 - IT 432 - Worker/Supervisor Relations
 - IT 458 - Productivity Improvement
 - IT 464 - Six Sigma Quality (Green Belt)
 - IT 490 - Advanced Six Sigma Quality (Black Belt)
 - IT 510 - Industrial Operations Management
 - IT 561 - Applications of Lean Principles
 - IT 564 - Quality Systems Management
 - IT 572 - Innovative Leadership
 - IT 590 - Decision Failure in Technology Management

- **Supply Chain and Logistics Management**
 - IT 562 - Supply Chain Issues
 - IT 563 - Logistics Issues
 - IT 564 - Quality Systems Management
 - IT 565 - Logistics: Traffic and Transportation
 - IT 566 - Distribution and Warehouse Management

- **Environmental and Occupational Safety**
 - IT 411 - Industrial Hygiene
 - IT 414 - Accident Investigation and Loss Control
 - IT 415 - Fire Protection and Prevention
 - IT 421 - Evaluation Techniques in Industrial Hygiene
 - IT 456 - HAZWHOPPER & Hazardous Materials Management
 - IT 511 - Safety Training Methods
 - IT 512 - Principles of Occupational Safety

Faculty

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