



# **MS Technology Management**

## **Graduate Student Advising**

**Technology Management MS Degree (33 credits)**  
**CCSU Department of Manufacturing & Construction Management**  
<http://www.ccsu.edu/mcm/programs.html>

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Graduate School Web Site  
<http://www.ccsu.edu/grad/>

Graduate Studies Forms  
<http://www.ccsu.edu/grad/resources/forms.html>

Graduate School Handbook  
[http://www.ccsu.edu/grad/resources/files/GRADUATESCHOOLHANDBOOKJUNE\\_2017.pdf](http://www.ccsu.edu/grad/resources/files/GRADUATESCHOOLHANDBOOKJUNE_2017.pdf)

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**Welcome to the MSTM program! We're sure you will find this to be a rewarding personal and professional learning experience. The following information will help you navigate the program.**

**Core Courses:** Step 1 is to register for core courses. We suggest the following sequence.

<b>Core Courses (18 credits) and Recommended Sequence</b>	<b>Course Title</b>	<b>Credits</b>
TM 500	Product Life Cycle Management	3
TM 551	Project Management	3
SCLM 562	Supply Chain Strategy	3
TM 510	Industrial Operations Management	3
TM 561	Applications of Lean Principles	3
TM 572	Innovative Leadership	3
		<b>18</b>

### **Elective Courses**

Step 2 - **15 credits** hours must be taken in one or more of the following specialization areas. Elective courses can be taken in one area of specialization or across each area of specialization listed below. You can take elective courses in tandem with core courses, but be aware of any course prerequisites.

- **Lean Manufacturing and Six Sigma Quality**
  - TM 464 - Six Sigma Quality (Green Belt)
  - TM 490 - Advanced Six Sigma Quality (Black Belt)
  - TM 502 - Human Behaviors in Complex Organizations
  - TM 564 - Quality Systems Management
  - TM 590 - Decision Failure in Technology Management
  - AC 521 - Accounting for Lean Enterprises
  - SET 590 - International Course Abroad

- **Supply Chain and Logistics Management**
  - SCLM 563 - Strategic Logistics Management
  - SCLM 564 - Quality Systems Management
  - SCLM 565 - Logistics: Traffic and Transportation
  - SCLM 566 - Distribution and Warehouse Management
  - SCLM 570 Supply Chain Modeling & Analysis
  - SCLM 576 Autonomous Logistics
  - SCLM 596 Topics in Supply Chain & Logistics Management
  
- **Environmental and Occupational Safety**
  - TM 411 - Industrial Hygiene
  - TM 414 - Accident Investigation and Loss Control
  - TM 415 - Fire Protection and Prevention
  - TM 456 - HAZWHOPPER & Hazardous Materials Management
  - TM 511 - Safety Training Methods
  - TM 512 - Principles of Occupational Safety
  
- **Computer Networking**
  - CET 501 - Applied Networking Technology
  - CET 502 - Applied Networking Technology II
  - CET 533 - Digital Telecommunications
  - CET 559 - Applied Network Security

**Capstone Requirement:**

- Step 3 – Determine your Capstone requirement.
  - Plan A - TM 599, Master's Thesis (3 credits)
  - Plan B - Comprehensive Exam (0 credit) – Most students select Plan B
  - Plan C - TM 595, Applied Research Paper (3 credits)

Read the Graduate Studies Handbook to understand the differences between Plan A, B, and C.

NOTE: Students selecting Plan A or Plan C would take 12 credit hours in their area of specialization. Students selecting Plan B will take 15 credit hours in their area of specialization instead of 12 because Plan B is zero credits. Plan A and Plan C are 3 credit courses. Therefore,

- Step 4 – Fill out a Planned Program of Graduate Study form (see page 4) and submit it to your faculty advisor during your first semester (prior to completing 9 course credits hours). You can update your Plan of Study form at any time. Simply fill out a new form and submit it to your faculty academic advisor for review and approval.
  
- NOTE: No more than nine graduate credits at the 400 level, as approved by the graduate advisor, can be taken towards the MSTM degree. Check the course catalog to make sure that any 400-level course that you plan to take specifically indicates graduate credit.

<http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog>

- Communicate with your faculty advisor at least once a year to review your Planned Program of Graduate Study.

## **KEY DATES**

- **Plan A: Master's Thesis (TM599)** – Students who choose Plan A must first take TM594 (Research Methods in Technology Management), must have completed 18 credits in their planned program of study, and have a 3.00 GPA before they can register for the Graduate Capstone course. TM599 students must fill out the Graduate Capstone Course Registration form (Plan A) and submit it to Graduate Studies during the regular registration period but no later than 7 days after the start of the semester. Read the MS Thesis Handbook:

<http://www.ccsu.edu/grad/resources/thesis.html>

**Plan B: Comprehensive Exam** – Students must have **completed** 24-27 credits in their planned program of study and have a 3.00 GPA before they can apply to take the Comprehensive Exam. Students must fill and submit to the Graduate School the application for Master's Comprehensive Examination form no later than 1 October for Fall semester and 15 February for Spring semester. The MSTM Comprehensive Exam is a take-home written exam that focuses on how you have applied (if you work for a living), or plan to apply (if you are not employed), what you learned in the MSTM program to your professional work. Students that elect to take the comprehensive exam must take one additional 3-credit course (elective) in their Plan of Study (for a total of 33 credits, minimum to graduate). See page 5 for Comprehensive Exam FAQs.

- **Plan C: Applied Research Paper (TM595)** - Students who choose Plan C must first take TM594 (Research Methods in Technology Management), must have completed 18 credits in their planned program of study, and have a 3.00 GPA before they can register for the Graduate Capstone course. TM595 students must fill out the Graduate Capstone Course Registration form (Plan A) and submit it to Graduate Studies during the regular registration period but no later than 7 days after the start of the semester.

Read the Special Project Capstone (Plan A, B, C) Handbook

<https://www.ccsu.edu/grad/resources/files/specialProjectHandbook.pdf>

- Application for Graduation – The Application for Graduation form must be submitted to the Graduate School no later than 15 September for December graduation, 1 March for May graduation, and 1 April for August graduation.

Please view the Registrar's web site for other important dates

<http://www.ccsu.edu/registrar/>

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**Academic Integrity**

Plagiarism is a serious offense in U.S. higher education. The consequences can be severe, ranging

## How to Fill Out an MSTM Plan of Study



CCSU

### Central Connecticut State University Planned Program of Graduate Study

The graduate planned program of study (GPPS) is an important document representing an official agreement between the student and the university, with the academic advisor and Dean acting on its behalf. The GPPS lists the courses and other requirements that must be completed prior to program completion or graduation. The GPPS is not official until your academic advisor and Dean or designee sign and approve it; it must be submitted before the completion of 16 course credits. (An earlier submission is recommended.) Approved copies are sent from the graduate school to the student and the academic advisor. A signed original is retained in the student's university permanent file. The GPPS must be revised for submission if changes are made and approved by the advisor.

**Submit your first Plan of Study BEFORE completing 9 credits!**

• Fill in yellow boxes

- Check "Initial" if first time
- "Revision" if second or more
- "Degree Audit" for review prior to graduation

Name:	Student ID#:
Street:	Degree: MS
City/State/Zip:	Major: Technology Management
Country:	Academic Advisor:

Planned Program Type: Initial  Revision  Degree Audit

CCSU Courses* (Recommended Sequence)	Transfer Course/ Univ. Where Taken	Credit Value	Semester Taken	Year Taken	Grade Received
TM 500 Prod. Life Cycle Management		3			
TM 510 Industrial Operations Mgmt.		3			
TM 551 Project Management		3			
TM 561 Application of Lean Principles		3			
TM 562 Supply Chain Strategy		3			
TM 572 Innovative Leadership		3			
Elective-		3			
Elective-		3			
Elective-		3			
Elective-		3			
Elective-		3			
Capstone: A, B, or C <b>Plan B - Comp. Exam (0 credits)</b>		0			
<b>Credit Total</b>		<b>33</b>	<b>Cannot exceed 6 years for MS</b>		

• Select 5 Elective courses

• Most students select "Plan B." Contact your academic advisor for more info.

- Fill in Semester you have taken or plan to take each course
- Fill in Year you have taken or plan to take each course
- Fill in Grade Received (if applicable)

\*No more than 9 credits of 400-level courses listed in the Graduate Catalog can be included in a graduate degree or post-master's program.  
 \*\*Up to six (6) credits may be taken outside of the TM department (12 credits for CET strand).  
 † Optional if Capstone Plan Choice A – (TM 599 – Thesis) or C (TM 595 Applied Research Paper) is chosen.

Notes from academic advisor on pre-requisites, course additions, time extensions, or other.

• Fill in yellow boxes

Student Signature:	Date:
Student E-Mail:	Phone:
Advisor Signature:	Date:
Chair Signature:	Date:
Dean (or designee):	Date:

• IMPORTANT: 400-level courses MUST be listed in the Graduate Catalog in order to count for graduate credit.

Revised 12/12/17

### Note

1. Submit to your Academic Advisor for review and approval.
2. You can revise your Plan of Study at any time. Revise whenever there is a change in courses taken.
3. Your Plan of Study and Academic transcript must be in agreement in order for you to graduate.

## CCSU MSTM Program Capstone Requirement FAQs

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**What is the Capstone requirement for the MSTM program?** Students have the option of selecting one of three capstone requirements towards the end of their MSTM program: Plan A (M.S. Thesis), Plan B (Comprehensive Exam), Plan C (Applied Research Project). The capstone requirement is intended to be a synthesis of all that you learned in your MSTM studies.

**Who selects Plan A (M.S. Thesis – TM599)?** Generally, full-time students would select this option because it requires a lot of work (and time) to complete, which part-time working professional students typically do not have. An M.S. Thesis is typically 75-100 pages. You would work with a faculty research advisor to help define the research topic and guide you through the process.

**Who selects Plan B (Comprehensive Exam)?** Generally, part-time working professional students. Students who elect to take the comprehensive exam must take one additional 3-credit course (elective) in their Plan of Study (for a total of 33 credits, minimum to graduate).

**Who selects Plan C (Applied Research Project – TM594/TM595)?** Generally, part-time working professional students who want a more full or complete learning experience by conducting research in a subject of interest and writing a research paper. A research paper is typically 30-50 pages. You would work with a faculty research advisor to help define the research topic and guide you through the process.

**What is the Comprehensive Exam?** It is a take-home written exam. Its focus is on how you have applied (if you work for a living), or plan to apply (if you are not employed), what you learned in the MSTM program to your professional work. It consists of three parts: Part 1 asks you to describe two things. Part 2 asks you to describe three things. Part 3 consists of four questions related to the MSTM program learning outcomes. All parts are written in essay form, allowing you to demonstrate your abilities to write in full sentences and paragraphs, and with proper grammar and punctuation.

**When can I take the Comprehensive Exam?** After you have COMPLETED 24-27 credits. You must have a minimum cumulative GPA of 3.0.

**When is the Comprehensive Exam Administered?** Three times a year, in the Fall semester (November), once in the Spring semester (March), and once in the Summer (May-June).

**How is the Comprehensive Exam graded?** It is graded pass or fail.

**When will I be notified if I passed or failed?** You will be notified within one week.

**How should I prepare for the Comprehensive Exam?** One method would be to spend 4 or 5 days reviewing the textbook, course notes, reading assignments, tests, projects, etc., from each course you have taken, and reflect back on how you have applied what you learned in the MSTM program.

**What forms do I need to fill out to take the Comprehensive Exam?** You need to fill out an application form by 1 October (fall semester) or 15 February (spring semester): <https://tinyurl.com/yxrzds15>

**Who do I submit the Comprehensive Exam form to?** Submit the form via e-mail to [gradstudies@ccsu.edu](mailto:gradstudies@ccsu.edu) and copy Prof. Haoyu Wang [wanghao@ccsu.edu](mailto:wanghao@ccsu.edu).

**Is there a fee to take the Comprehensive Exam?** No. But there is a fee if you take the exam during a semester in which you are not registered to take any academic courses.