

Central Connecticut State University
School of Engineering, Science, and Technology

Degree: Bachelor of Science
Program: Manufacturing Management
Effective Term: Fall 2025

Name: _____

ID#: _____

General Education: Ways of Understanding:

Arts & Humanities (9 credits)

	Credits	Grade
200-Level Literature Course	3	

Social & Behavioral Sciences (12 credits)

History	3	
ECON 200 or ECON 201	X	
PSY 112	X	
TM 190	X	

Math & Natural Sciences (9-10 credits)

PHYS 111	X	
CHEM 161 and 162	X	
MATH 123	X	

General Education: Essential Skills:

Written & Oral Communication (6 credits)

WRT 105 or 110	3	
ENGR 290	X	

World Language (0-6 credits) or Gen Ed Free Elective (3 credits)

World Language course numbered 112 or 118* or Gen Ed Free Elective	3	
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Thriving in College (2-3 credits)

CCSU 102, 103, or FYE course**	2-3	
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A maximum of 16 credits (4 courses) applied towards Ways of Understanding and Essential Skills requirements may be used to fulfill a major and/or minor requirement.

International & Equity, Justice, & Inclusion (EJI) Requirements:

TM 190	X	
International	3	
Equity, Justice, & Inclusion***	3	

Coursework applied toward International & EJI requirements may be used in any other area of general education or program requirements.

Honors Program: HON courses can be used to fulfill certain general education requirements. Consult the Honors Program curriculum for details.

Residency Requirements: A minimum of 30 credits overall must be completed in residence, with at least 15 credits in the major (at least 12 of which must be at the 300 level or above) and 9 credits in a minor at Central. In residence means attending classes conducted on campus or under supervision of Central.

Coursework applied toward Related or Additional requirements may be used in any other area of general education or program requirements.

Free Electives may be used, as needed, to reach the total credits required for the degree when all other degree requirements have been met.
 Recommended free electives include **TM 202** and **MKT 295**.

Is a Minor Required with this Major?

Yes No

Core Major Requirements (48 credits)

Requires grade of C- or higher, unless otherwise specified.

	Credits	Grade
AC 210 Prin Indust Acct OR AC 211 Intro Financial Acct	3	
CS 113 Intro to Computer Programming	3	
MGT 295 Fund of Management & Org Behavior	3	
MM 121 Mechanical CAD OR ROBO 220 Parametric Modeling and Simulation	3	
MM 216 Manufacturing Processes	3	
TM 360 Production Systems	3	
TM 366 Supply Chain and Purchasing Strategies	3	
TM 390 Lean Operation Management	3	
TM 120 Introduction to Technology Management	3	
TM 190 Global Quality Management System	3	
TM 310 Environment, Health and Safety	3	
TM 362 Leading Project Teams	3	
TM 401 Industrial Internship	3	
TM 426 Applied Metrology	3	
TM 463 Logistics Management	3	
TM 464 Six Sigma Quality	3	

Directed Tech Electives in Advanced Manufacturing/Industry 4.0; and/or Environ, Health and Safety (Choose 12 Credits Below):

CM 335 Construction Safety	3	
MM 226 Principles of Computer Numerical Control	3	
MM 236 Tool Design	3	
MM 324 Fluid Power Systems	3	
ROBO 260 Programmable Controllers	4	
ROBO 420 Manufacturing Automation	3	
ROBO 425 Adv Programmable Logic Controllers	3	
ROBO 470 Robotics Systems Engineering & Analysis	3	
TM 411 Industrial Hygiene	3	
TM 412 Safety Training Methods	3	
TM 414 Accident Investigation & Loss Control	3	
TM 436 Advanced Applied Metrology	3	
TM 456 Hazardous Material Management	3	
TM 490 Advanced Six Sigma Quality	3	

Additional Requirements (22 credits)

ECON 200 Principles of Macroeconomics or ECON 201 Principles of Microeconomics	3	
PSY 112 Introduction to Psychology	3	
ENGR 290 Engineering Tech Writing and Presentation	3	
MATH 123 Applied Business Mathematics	3	
STAT 104 or STAT 200 or STAT 215	3	
CHEM 161 General Chemistry	3	
CHEM 162 General Chemistry Laboratory	1	
PHYS 111 or PHYS 121 or PHYS 125	3-4	

Total Credits Required for Degree: 120

* Students with 3 years, or more, of one world language at the high school level, a passing score on a world language placement exam, or native proficiency in a language other than English will have the World Language requirement waived and can satisfy this requirement with any general education free elective course (3cr).

** Transfer students with 24 or more transfer credits at the time of admission can satisfy this requirement with any general education free elective (3cr).

*** Waived for transfer students with 50 or more transfer credits at the time of admission.