



CENTRAL

CONNECTICUT STATE UNIVERSITY

1615 Stanley Street • New Britain, Connecticut 06050-4010

Department of Manufacturing & Construction Management
Copernicus Hall 2120900 • 860-832-1830

Name: _____

I.D.# _____

B.S. MANUFACTURING MANAGEMENT

EFFECTIVE FALL 2023

CATALOG TERM: FALL SPRING YEAR: _____

ANT. COMPLETION TERM: FALL WINTER SPRING SUMMER YEAR: _____

General Education (42-53 credits)		
Study Area I - Arts and Humanities (9)		
200-Level Literature Course		3
Arts/Humanities Elective		3
Arts/Humanities Elective		3
Study Area II - Social Sciences (9)		
S.A. II History Course		3
ECON 201		3
Social Sciences Elective		3
Study Area III - Behavioral Sciences (3)		
PSY 112		3
TM 190 (double-counted in major Core Requirements)		-
Study Area IV - Natural Sciences (7-8)		
PHYS 111, 121, OR 125		3 or 4
CHEM 161 AND CHEM 162		4
Skill Area I - Communication Skills (6)		
WRT 105 OR WRT 110 (per placement exam)		3
ENGR 290 (prereq: WRT 110)		3
Skill Area II - Mathematics (6)		
STAT 200 (prereq: MATH 101, 102, OR 103 (C- OR BETTER))		3
MATH 123 Applied Business Math (prereq: MATH 101, 102, OR 103 (C- OR BETTER))		3
Skill Area III - Foreign Language (0-9)		
Level-3 high school foreign language		0
CLEP foreign language exam		3 - 9
111-level Foreign Language Course	3 or 6	
112-level Foreign Language Course (prereq: 111-level or placement exam)		
Demonstrated native proficiency in a language other than English		0
Skill Area IV - Univ. Requirement (2-3)		
PE 144 or other Sk.A. 4 course*		2 or 3

*must take PE 144 if entering CCSU with fewer than 15 credits

Major Requirements			
Core Requirements (48 credits)			
CS 113	Intro to Computer Programming		3
TM 120	Intro to Technology Mgt {FA}		3
MM 121 or ROBO 220	Mechanical CAD or Parametric Modeling & Simulation		3
TM 190	Global Quality Mgmt Systems		3
MM 216	Manufacturing Processes (prereq: TM 120 AND MATH 101 or Higher)		3
AC 210	Accounting for Decision-Making		3
MGT 295	Fundamentals of Management (prereq: WRT 110 or WRT 202 or HON 140)		3
TM 310	Environment, Health & Safety {SP}		3
TM 360	Production Systems {SP}		3
TM 362	Leading Project Teams		3
TM 366	Supply Chain & Purchasing		3
TM 390	Lean Operations Management {FA}		3
TM 401	Senior Seminar and Internship (prereq: 75 credits)		3
TM 426	Applied Metrology {FA} (prereq: MM 121, ROBO 220, OR ETM 260)		3
TM 463	Logistics Management {FA} (prereq: TM 366)		3
TM 464	Six Sigma Quality (prereq: STAT 200 OR STAT 104)		3
Directed Technology Electives - Choose 12 Credits of Any Courses Below			
Advanced Manufacturing Courses			
MM 226	Principles of CNC {FA} (Prereq: [ME 216 OR MM 216] AND [MM 121 OR ROBO 220 OR ETM 260])		3
MM 236	Tool Design (Prereq: MM 121 OR ROBO 220 OR ETM 260)		3
MM 324	Fluid Power Systems {SU}		3
TM 436	Advanced Applied Metrology		
TM 490	Advanced Six Sigma {SP} (Prereq: TM 464)		3
Environment, Health & Safety Courses			
CM 335	Construction Safety		3
TM 411	Industrial Hygiene {FA-E}		3
TM 412	Training Methods for EH&S {SP-E}		3
TM 414	Accident Investigation {FA-O}		3
TM 456	Hazardous Material Management {SP-O}		3
Industry 4.0 Courses			
ROBO 110	Introduction to Robotics and Mechatronics		3
ROBO 260	Programmable Controllers		3
ROBO 425	Advanced Programmable Logic Controllers (prereq: ROBO 260)		3
ROBO 470	Robotics Systems Engineering & Analysis		3
ROBO 420	Manufacturing Automation {SP} (prereq: (TM 120 and MM 324)		3

NOTE: {SP}; {FA}; {SU} = offered every Spring, Fall, or Summer semester only.
{SP-E}; {FA-E}; {SP-O}; {FA-O} = offered every 2 years: Spring or Fall semester, Odd or Even years

Six credit designated "International"

met: YES NO

Equity, Justice and Inclusion Requirement

met: YES NO

Assessment Exam Taken with Internship

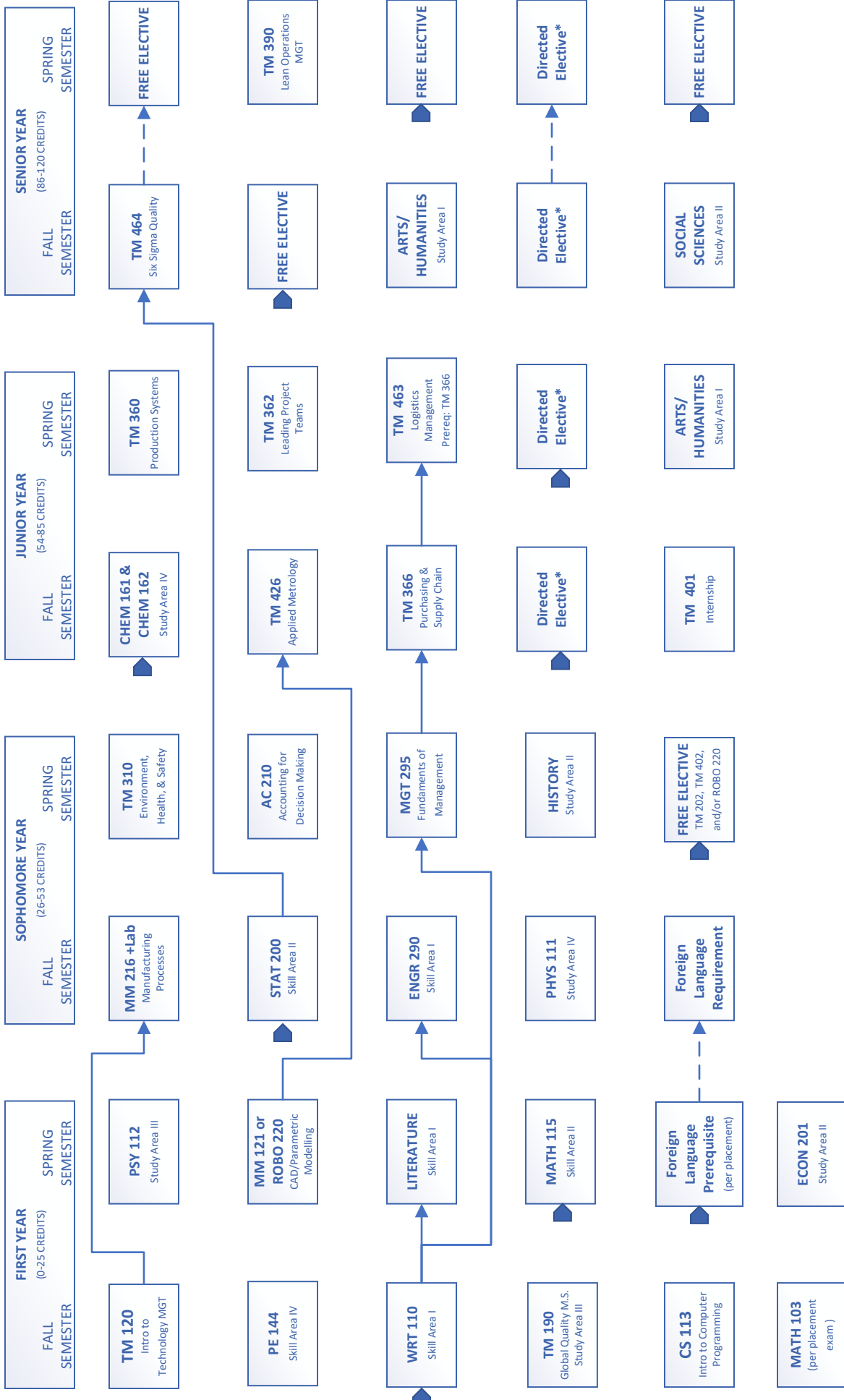
met: YES NO

Double counting Restriction - Of the courses taken in the major and minor/concentration, a total of two courses may be counted to fulfill the Study Areas portion of the general education program.

RESIDENCY REQUIREMENTS: A minimum of 30 credits at CCSU with 15 credits total in the Major, with 12 credits in the Major at 300 level or above.

Recommended and Free Electives (7-18 Credits, to Complete 120 Credit Total)	
TM 202 Tpc: Study Abroad/International Studies	
MKT 295 Fundamentals of Marketing	
Total Credits	Required: 120

BS Manufacturing Management Suggested Course Sequence



*Directed and Free Electives:
 -See program sheet for options.
 -Some Technology Electives have prerequisites
 -Some Technology Electives are offered on biennial schedule

certain requirements may apply
 prerequisite indicated for required course
 prerequisite indicated for suggested elective