



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

NTC Program: MANUFACTURING ENGINEERING TECH

MSUM Program: Operations Management: Technical Management BS

Minimum GPA for admission: 2.0

Initial effective date:

General Education Courses

NTC			MSUM		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-804-195	College Algebra with Apps (3 cr.) <u>OR</u>	3 or 4	MATH 127	College Algebra	0-3
10-804-118	Intermediate Algebra with Apps (4 cr.)			NA	
10-801-196	Oral Interpersonal Communication	3	COMM 100	Speech Communication	3
10-801-195	Written Communication <u>OR</u>	3		Goal Area 1B	3
10-801-136	English Composition 1		ENGL 101	English Composition I	
10-806-139	Survey of Physics <u>OR</u>	3 to 4		NA	0-4
10-806-154	General Physics 1		PHYS 160/160L	College Physics I with Lab	
10-809-195	Economics	3	ECON 100	The American Economy	3
10-809-172	Introduction to Diversity Studies <u>OR</u>	3		Goal Area 7	3
10-809-196	Intro to Sociology		SOC 110	Introduction to Sociology	
10-809-199	Psychology of Human Relations <u>OR</u>	3	PSY 220	Social Behavior	3
10-809-198	Intro to Psychology		PSY 113	General Psychology	
10-890-165	College 101	1			
Total general education credits earned:		22 - 24			
Total transferable general education credits:		15-22	Total general education credits accepted:		15-22

Occupational Courses

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-449-105	OSHA Compliance	3			
10-623-110	Standards & Regulations	1			
10-623-119	Quality Assurance	1			
10-623-200	Interpreting Engineering Drawings	1			
10-623-124	Precision Measuring	2			
10-196-189	Team Building and Problem Solving	3			
10-623-112	Statistical Process Control	2			
10-623-118	Quality Systems	2			
10-623-175	Manufacturing Processes	3			
10-606-105	Technical Drafting/CAD <u>OR</u>	2		Technical credits accepted in transfer as a block. Additional credits will be accepted as unrestricted elective credits.	30+12
10-606-133	SolidWorks 1 <u>AND</u>				
10-606-134	SolidWorks 2				

10-606-132	Materials of Industry	2		
10-623-147	Lean Manufacturing Fundamentals	2		
10-623-176	Manufacturing Process Planning	3		
10-196-188	Project Management	3		
10-623-205	Operations Management in Manufacturing	3		
10-606-116	Tooling & Production	2		
10-612-120	Fluid Power Systems: Fundamentals	1		
10-623-125	Workplace Ergonomics	2		
10-623-173	Introduction to Six Sigma	3		
	Total occupational course credits earned:	41		Total occupational course credits accepted: 42
	Total credits required for graduation:	63-64		
	Total transferable credits:	57-64		Total credits accepted at MSUM: 57-64

Courses needed to complete degree at MSUM:

Course No.	Course Title	Credits
	MnTC/ Gen Ed Goal Area (LASC) *	18-25
ACCT 230	Principles of Accounting I	3
OM 470	Purchasing & Sourcing Management	3
MGMT 260	Principles of Management	3
OM 380	Methods Improvement	3
OM 393	Occupational Safety & Health	3
OM 483	Cost Analysis	3
OM 395	Computer Applications for Technologists	3
OM 469	Internship	3
OM 482	Quality Management	3
OM 485	Production Inventory Management	3
PMGT 385	Process Leadership	3
PMGT 300	Project Management and Scheduling	3
	Electives (consult MSUM advisor)	2
MATH 127	College Algebra	0-3
MATH 234	Introduction to Probability & Statistics	3
ECON 202	Principles of Economics I: Micro	3
	*These courses are required, but may also count toward LASC	
Total credits needed at MSUM to complete degree:		56-63

Disclaimer: Students planning to transfer should contact NTC's Transfer Specialist and transfer personnel at MSUM for the most current transfer information.

UPDATED 8/3/23