



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

NTC Program: MANUFACTURING ENGINEERING TECH

UW-Stout Program: Engineering Technology, Production Operations

Minimum GPA for admission:

Initial effective date: 10/16/2023

General Education Courses

NTC			UW-Stout		
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-120	College Algebra or	3
10-804-118	Intermediate Algebra with Apps (4 cr.)		MATH-90	Intermediate Algebra (remedial, does not count towards program or graduation)	
10-801-196	Oral Interpersonal Communication	3	COMST-100	Fundamentals of Speech	3
10-801-195	Written Communication <u>OR</u>	3	ENGL-101	Composition 1	3
10-801-136	English Composition 1				
10-806-139	Survey of Physics <u>OR</u>	3 to 4	PHYS-GXX	Physics Stout Core Electives or	
10-806-154	General Physics 1		PHYS-241	College Physics 1 (Recommended)	4
10-809-195	Economics	3	ECON-201	General Economics	3
10-809-172	Introduction to Diversity Studies <u>OR</u>	3	SOC-GAGCS	Sociology Stout Core Electives or	3
10-809-196	Intro to Sociology		SOC-110	Intro to Sociology	
10-809-199	Psychology of Human Relations <u>OR</u>	3	PSYC-GXX	Psychology Stout Core Electives or	1
10-809-198	Intro to Psychology		PSYC-110	Intro to Psychology	
10-890-165	College 101	1		Not transferrable	
Total general education credits earned:		22 - 24			
Total transferable general education credits:		19		Total general education credits accepted:	20

Occupational Courses

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-449-105	OSHA Compliance AND	3	RC-381	Principles of Occupational Risk Control	3
10-623-110	Standards & Regulations	1		(one unused credit)	
10-623-200	Interpreting Engineering Drawings	1	E TECH-201	Communication of Engineering Design 1	3
10-606-105	Technical Drafting/CAD <u>OR</u>	2			
10-606-133	SolidWorks 1 AND				
10-606-134	SolidWorks 2 (133 and 134 recommended)				
10-623-112	Statistical Process Control	2	INMGT-320	Quality Tools	3
10-623-124	Precision Measuring	2		(one unused credit)	
10-196-189	Team Building and Problem Solving	3	E TECH-205	Design for Industry	3

10-623-118	Quality Systems	2	INMGT-325	Quality Management	3
10-623-119	Quality Assurance	1			
10-606-132	Materials of Industry AND	2	ETECH-150	Intro to Engineering Materials (two unused credits)	3
10-623-175	Manufacturing Processes	3			
10-623-147	Lean Manufacturing Fundamentals	2	INMGT-440	Lean Enterprise (two credits used towards Concentration Electives)	3
10-623-176	Manufacturing Process Planning	3			2
10-196-188	Project Management	3	INMGT-365	Project Management	3
10-606-116	Tooling & Production AND	2	ETECH-260	Intro to Fluid Power	3
10-612-120	Fluid Power Systems: Fundamentals	1			
10-623-125	Workplace Ergonomics	2		Not Transferable	
10-623-173	Introduction to Six Sigma	3	INMGT-410	Six Sigma Quality Improvement Methods	3
10-623-205	Operations Management in Manufacturing	3	INMGT-200	Operations Management	3
	Total occupational course credits earned:	41		Total occupational course credits accepted:	35
	Total credits required for graduation:	41			
	Total transferable credits:	63-65		Total credits accepted at UW-Stout:	55

Additional Courses to take to transfer:

Courses needed to complete degree at UW-Stout:

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-801-155	English Composition 2	3	ENGL-102	Composition 2	3
10-804-198	Calculus	4	MATH-153	Calculus 1	4
			PHYS-242	College Physics 2	5
10-809-166	Intro to Ethics	3		Arts and Humanities Electives	6
			ETECH-100	Impacts of Engineering	3
			CHEM-135	College Chemistry 1	5
			ET-204	Electricity/Electronics Fundamentals	3
10-606-111	Applied Mechanics for Technicians	3	ET-290	Statics and Dynamics	3
			ET-341	Electrical and Mechanical Interface Devices	3
			ET-349/449	Cooperative Education Experience	1
			ET-405	Senior Design Experience	3
			ETECH-230	Industrial Robotics and IoT Fundamentals	3
			ETECH-251	Fundamentals of Plastics Materials and Processing	3
^10-606-107	Designing for Manufacturability AND	4	^ETECH 252	Material Removal and Forming Process	3
^10-606-160	Manufacturing Process-Machining	2	^ETECH 253	Joining and Casting Processes	3
^10-606-162	Manufacturing Process-Fabrication	2			
^ These three courses, along with 10-606-132 Materials of Industry, will equate to UW-Stout courses ETECH 252 and 253			ETECH-303	Computer Aided Manufacturing	3
			INMGT-400	Organizational Leadership	3

STAT-320	Statistical Methods	3
ETECH-415	Robotic System Integration	3
INMGT-300	Engineering Economy	3
Total credits needed at UW-Stout to complete degree:		66

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

Updated 10/15/23