



**TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS**

**NTC Program: Mechanical Design Engineering Technology**

**UW-Stout Program: Engineering Technology, Mechanical Design**

**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 <b>or</b>	3
10-804-118	Intermediate Algebra with Apps (4 cr.)		MATH-90	Intermediate Algebra (remedial, does not count towards program or graduation)	
10-806-154	General Physics 1 <u>OR</u>	3 or 4	PHYS-241	College Physics 1 (Recommended) <b>or</b>	4
10-806-139	Survey of Physics		PHYS-GXX	Physics Stout Core Elective	
10-801-195	Written Communication <u>OR</u>	3	ENGL-101	Composition 1	3
10-801-136	English Composition 1				
10-801-197	Technical Reporting	3		<b>Does not count towards degree</b>	
10-809-172	Intro to Diversity <u>OR</u>	3	SOC-GAGCS	Sociology Stout Core Elective <b>or</b>	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 Elective <b>or</b>	3
10-809-198	Intro to Psychology		PSYC-110	Intro to Psychology	
10-890-165	College 101	1		<b>Not Transferrable</b>	
	<b>Total general education credits earned:</b>	<b>18-20</b>			
	Total transferable general education credits:	16		<b>Total general education credits accepted:</b>	<b>16</b>

**Occupational Courses**

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-606-105	Technical Drafting/CAD <b>AND</b>	2	ETECH-210	Engineering Graphics Using Solid Modeling	3
10-606-128	Technical Detailing	2		(1 credit not used towards degree)	
10-606-106	AutoCAD Applications <b>AND</b>	2	ETECH-201	Communication of Engineering Design 1	3
10-606-130	Autodesk Inventor 3D CAD Software	2		(1 credit not used towards degree)	
10-606-107	Designing for Manufacturability <b>AND</b>	4	ETECH-150	Intro to Engineering Materials <b>AND</b>	3
10-606-132	Materials of Industry <b>AND</b>	2	ETECH-252	Material Removal and Forming Processes <b>AND</b>	3
10-606-160	Manufacturing Processes - Machining <b>AND</b>	2	ETECH-253	Joining and Casting Processes	3
10-606-162	Manufacturing Processes - Fabrications	2		(1 credit not used towards degree)	
10-606-115	Machine Design 1 <b>AND</b>	2	ET-332	Design of Machine Components	4
10-606-117	Machine Design 2	3		(1 credit not used towards degree)	

10-606-116	Tooling & Production <b>AND</b>	2	ETECH-260	Intro to Fluid Power	3
10-612-120	Fluid Power Systems 1: Fundamentals	1			
10-606-163	Strength of Materials	3	ET-291	Strength of Materials	3
10-606-180	Mechanisms	3	ETECH-XXX	Concentration Electives	3
10-606-109	Computer Apps & Analysis for Engineers	1	ETECH-XXX	Concentration Electives	1
10-606-111	Applied Mechanics for Technicians	3	ET-290	Statics and Dynamics	3
10-606-125	Design Problems	3	ETECH-205	Design for Industry	3
10-606-108	Geometric Dimensioning & Tolerancing Fund. <b>AND</b>	1	ETECH-420	Engineering Graphics Applications	3
10-606-133	SolidWorks 1 <b>AND</b>	1			
10-606-134	SolidWorks 2	1			
10-623-119	Quality Assurance <b>AND</b>	1	INMGT-325	Quality Management	3
10-623-118	Quality Systems	2			
	<b>Total occupational course credits earned:</b>	<b>45</b>		<b>Total occupational course credits accepted:</b>	<b>41</b>
	<b>Total credits required for graduation:</b>	<b>64-66</b>			
	<b>Total transferable credits:</b>	<b>57</b>		<b>Total credits accepted at UW-Stout:</b>	<b>57</b>

**Additional credits 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
10-801-198	Speech	3	COMST-100	Fundamentals of Speech	3
10-804-198	Calculus	4	MATH-153	Calculus 1	4
			PHYS-242	College Physics 2	5
			ETECH-100	Impacts of Engineering	3
10-809-166	Intro to Ethics	3		Arts and Humanities Stout Core Electives	6
			CHEM-135	College Chemistry 1	5
			ET-204	Electricity/Electronics Fundamentals	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
			INMGT-200	Operations Management	3
10-196-190	Leading Strategically	3	INMGT-400	Organizational Leadership	3
10-449-105	OSHA Compliance <b>AND</b>	3	RC-381	Principles of Occupational Risk Control	3
10-623-110	Standards and Regulations	1			
			STAT-320	Statistical Methods	3
			ETECH-251	Fundamentals of Plastics Mat and Processing	3

ETECH-303	Computer Aided Manufacturing	3
ET-320 <b>or</b>	Prototype Development and Model Making <b>or</b>	3
ET-422 <b>or</b>	Research and Development <b>or</b>	
ETECH-415 <b>or</b>	Robotic System Integration <b>or</b>	
ETECH-460	Advanced Manufacturing with 3D Printing	
<b>Total credits needed at UW-Stout to complete degree:</b>		<b>63</b>

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

**Updated on 10/15/2023**