



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

NTC Program: MECHANICAL DESIGN

UW-Stout Program: Engineering Technology - Mechanical Design

Minimum GPA for admission: 2.5

Initial effective date:

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.) OR	3 or 4	MATH 120	Intro to College Math I	*3
10-804-154	Intermediate Algebra with Apps (4 cr.)		MATH 110	Intermediate Algebra	*3
10-804-196	Trigonometry with Apps	3	MATH 121	Intro to College Math II	*3
10-806-154	General Physics 1	4	PHYS 211	Intro to Physics	3
			PHYS 212	Intro to Physics Lab	1
10-801-195	Written Communication OR	3	ENGL 101	Composition 1	3
10-801-136	English Composition 1				
10-801-197	Technical Reporting	3	ENGL 320	Professional & Technical Communications	3
10-809-196	Intro to Sociology	3	SOC 110	Introductory Sociology	3
10-809-198	Intro to Psychology OR	3	PSYC 110	General Psychology	3
10-809-199	Psychology of Human Relations		PSYC GXX	Psychology Electives	
Total general education credits earned:		22 to 23			
Total transferable general education credits:		16	Total general education credits accepted:		16

*Credits will not count towards general education requirements.

Occupational Courses

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-606-105	Technical Drafting/CAD and	2	ETECH 112	Engineering Graphics Fundamentals	3
10-606-106	2D AutoCad Applications	2	ETECH XXX	Engineering and Technology Elective	1
10-606-128	Technical Detailing	2	ETECH 210	Engineering Graphics using Solid Modeling	3
10-606-100	Solidworks for Mechanical Design	2	ETECH XXX	Engineering and Technology Elective	1
10-606-177	Materials of Industry 1	1	ETECH 150	Introduction to Engineering Materials	2
10-606-178	Materials of Industry 2	1			
10-606-160	Manufacturing Processes - Machining	2	ETEC 252	Material Removal & Forming Processes	2
10-606-103	Mechanical Design Workforce Preparedness	1		Not Transferable	
10-606-111	Applied Mechanics for Technicians	3	ET XXX	Engineering Technology Electives	3

10-606-115	Machine Design 1	2	ET XXX	Engineering Technology Electives	2
10-606-162	Manufacturing Processes - Fabrications	2	ETECH 253	Joining & Casting Process	2
10-606-163	Strength of Materials and	3	ET 291	Mechanics of Solids II	3
10-606-117	Machine Design 2	3	ET XXX	Engineering Technology Electives	3
10-103-242	Excel 2016 Level 1	1		Not Transferable	
10-606-107	Designing for Manufacturability	4	ETECH 205 ETECH XXX	Design for Industry Engineering and Technology Elective	3 1
10-606-114	Mechanisms	4	ET XXX	Mechanics Electives	4
10-612-120	Fluid Power Systems 1: Fundamentals	1	ETECH 260 ETECH XXX	Intro to Fluid Power Power Elective	2 1
10-612-121	Fluid Power Systems 2: Fundamentals of Pneumatics	1			
10-612-122	Fluid Power Systems 3: Design & Maintenance	1			
10-606-108	Geometric Dimensioning & Tolerancing Fund.	1	ETECH 280	Engineering Graphics Applications	3
10-606-130	Autodesk Inventor 3D CAD Software	2			
10-606-109	Computer Apps & Analysis for Engineers	1	ET XXX	Engineering Technology Electives	1
10-606-116	Tooling & Production	2	INMGT 200	Production Operations	2
10-606-125	Design Problems	3	ET XXX	Engineering Technology Electives	3
	Total occupational course credits earned:	47		Total occupational course credits accepted:	45
	Total credits required for graduation:	69 to 70			
	Total transferable credits:	61		Total credits accepted at UW-Stout:	61

Courses needed to complete degree at UW-Stout:

Course No.	Course Title	Credits
ENGL 102	Composition 2	3
MATH 153	Calculus I	4
PHYS 241	College Physics I	5
PHYS 242	College Physics II	5
	Arts & Humanities	6
	Contemporary Issues	3
	Social Responsibility & Ethical Issues	3
ETECH 251	Plastics Materials/Processing	3
ET 204	Electricity/Electronics Fundamentals	3
ET 341	Elect & Mech Interface Devices	3
CHEM 135	College Chemistry	5
ET 290	Mechanics of Solids I	3
ET 332	Mechanical Design	4
ET 405	Engineering Technology Capstone	3

ET 320 OR ET 420 & 421 ET410	Prototype Development R&D and R&D Lab Mechanical Design Lab	3
PKG 150	Packaging Fundamentals	3
ET 349/449	Cooperative Education Experience	1 or 2
Total credits needed at UW-Stout to complete degree:		59

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: 11/13/17