

TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS NTC Program: MECHANICAL DESIGN

Michigan Tech Program: Mechanical Engineering Technology Minimum GPA for admission:3.0 to qualify for in-state tuition Initial effective date: Fall 2015

General Education Courses

NTC			Michigan Tech		
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	MA 1030	College Algebra I	3
10-804-118	Intermediate Algebra with Apps (4 cr.)	3014			
10-806-154	General Physics 1	4	PH 1110	College Physics 1 + PH 111	4
10-801-195	Written Communication OR	3	UN 1015	Composition	3
10-801-136	English Composition 1	3			
10-801-197	Technical Reporting	3	HU 1XX5	HASS Communication/Composition	3
10-809-172	Intro to Diversity OR	3	UN 1025	Global Issues <u>OR</u>	- 3
10-809-196	Intro to Sociology	3	SS 2700	Intro to Sociology	
10-809-199	Psychology of Human Relations OR	3	PSY 2000	Intro to Psychology OR	3
10-809-198	09-198 Intro to Psychology	3	PSY 2000	Principles of Psychology	
	Total general education credits earned:	19-20			
	Total transferable general education credits:	19		Total general education credits accepted:	19

Occupational Courses						
Course No.	Course Title	Credits	Course No.	Course Title	Credits	
10-606-105	Technical Drafting/CAD	2	ENG 1003	Intro to Computer Aided Draft	1	
10-000-105	Technical Draiting/CAD	2	ENG 1XXE	ENG Elective	1	
10-606-128	Technical Detailing	2	TRU XXXX	Unassigned Transfer	2	
10-606-132	Materials of Industry	2	MET 1540	Materials Science	2	
10-606-160	Manufacturing Processes - Machining	2				
10-606-103	Mechanical Design Workforce Preparedness	1				
10-606-106	2D AutoCad Applications	2				
10-606-133	SolidWorks 1	1	MET 1020	Technology Computer Applications	3	
10-606-134	SolidWorks 2	1				
10-606-111	Applied Mechanics for Technicians	3				
10-606-115	Machine Design 1	2	MET 3242	Machine Design 1	2	
10-606-162	Manufacturing Processes - Fabrications	2	MET 2153	Machine Tool Funds & Apps	2	
10-606-163	Strength of Materials	3	MET 2120	Statics and Strength of Materials	3	

	Total transferable credits:	52		Total credits accepted at MTU:	52
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	Total credits required for graduation:	63-64	1		
	Total occupational course credits earned:	44		Total occupational course credits accepted:	33
0-606-125	Design Problems	3	TRU XXXX	Unassigned Transfer	3
0-606-116	Tooling & Production	2			
0-606-109	Computer Apps & Analysis for Engineers	1			
0-606-130	Autodesk Inventor 3D CAD Software	2		Practical Applications with Parametric Modeling	5
0-606-108	Geometric Dimensioning & Tolerancing Fund.	1	MET 2400		3
0-612-120	Fluid Power Systems 1: Fundamentals	1			
0-606-117	Machine Design 2	3	MET 3451	Machine Design II	3
0-606-114	Mechanisms	4	MET 1XXE	MET Elective	4
0-606-107	Designing for Manufacturability	4	MET 3500	Manufacturing Processes	4

Additional NTC courses to take to transfer to MTU:

Courses needed to complete degree at MTU:

			Courses needed to complete degree at mild.			
Course No.	Course Title	Credits	Course No.	Course Title	Credits	
10-804-196	Trigonometry W/Apps*	3	MA 1031	College Algebra II with Trignometry	3	
10-809-103	Thinking Critically & Creatively*	3	Gen ED Core	TA9004I-LG4 Core Elective	3	
10-804-198	Calculus	4	MA 1160	Calculus with Technology 1	4	
10-806-134	General Chemistry	4	CH 1150	Liniversity Chemistry 8 Leh		
	• · · ·		CH 1151	University Chemistry & Lab	4	
			MA 2160	Calculus with Technology 2	4	
			EET 1411	Basic Electronics	4	
			MET 3400	Applied Fluid Mechanics	3	
			PE		1	
			MET 2130	Dynamics	3	
			MET 3700	Applied Thermodynamics	3	
				Economic Decision Analysis	3	
10-804-189	Introductory Statistics (transfers as MA 2710)	3	MA 2720	Statistical Methods	4	
	•		PE		1	
			MET 4460	Product Design and Development	2	
10-806-144	College Physics 2	3	PH 1200		1	
			PH 1240	College Physics II & Lab	3	
			EET 2233	Electrical Machinery	4	
			MET 4300	Applied Heat Transfer	3	
			MET 4575	Senior Project 1	2	
			MET 4360	Thermal-Fluids Lab	1	

			HU 3120	Technical and Professional Communication	3
If the additional credits are completed at NTC, there is 55 credits left to complete at Michigan Tech			HUFA HASS (3000+)		3
			EET 3131 ^	Instrumentation	3
			MET 4675	Senior Project 2	2
			MET 4999	Professional Practice Seminar	1
			OSM 3000	Operations & Supply Chain Management	3
			Tech Elective		3
			PE		1
10-809-159	Abnormal Psychology	3	HASS (3000+)		3
10-809-172	Introduction to Diversity Studies	3	Gen Ed Core	UN 1025 - Global Issues	3
			Total credits	needed at MTU to complete degree:	81

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

Update on: 11/20/18

NTC students who meet the following criteria below are eligible for a scholarship that makes up the difference between non-resident and resident tuition. The award is available for a maximum of ten semesters of undergraduate study.

* The student must be a U.S. citizen and resident of any territory or state except Michigan.

- * The student must have completed two or more semesters of college as a full-time student (with the most recent completed semester being at NTC) prior to enrolling at Michigan Tech and have a cumulative grade point average of 3.0 or higher (4.0 scale) to be eligible for the award.
- * The student must be accepted into a degree seeking program at Michigan Tech.
- * The student must maintain a minimum cumulative grade point average of 2.50 at Michigan Tech at the end of each spring semester to be eligible for scholarship renewal.
- * The student must maintain continuous full-time undergraduate enrollment and acceptable social behavior according to Michigan Tech's academic policies and procedures.
- * Recipients are eligible for need-based aid and/or private scholarship funds; however, they are not eligible for the National Scholars Program, Alumni Legacy Award or the Military Family Education Award.