



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

NTC Program: MECHANICAL DESIGN

UW-Oshkosh Program: Mechanical Engineering Technology

Minimum GPA for admission: 2.0

Initial effective date: June 1, 2019

General Education Courses

NTC			UW-Oshkosh		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-804-195	College Algebra with Apps (3 cr.) <u>OR</u>	3 to 4	Math 104	College Algebra	3
10-804-118	Intermediate Algebra with Apps (4 cr.)				
10-806-154	General Physics 1	4	PHYS 171	General Physics 1	4
10-801-195	Written Communication OR	3	WBIS 188	Writing Based Inquiry Seminar	3
10-801-136	English Composition 1				
10-801-197	Technical Reporting	3	ENGL 317	Technical Writing	3
10-809-172	Intro to Diversity <u>OR</u>	3	SOC 1	Elective Credit	3
10-809-196	Intro to Sociology		SOC 101	Intro to Sociology	
10-809-198	Intro to Psychology <u>OR</u>	3	PSYCH 101	General Psychology	3
10-809-199	Psychology of Human Relations		PSYCH 1	Elective Credit	
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	ENGR 105	Fundamentals of Drawing (3 cr)	4
10-606-106	2D AutoCAD Applications	2			
10-606-128	Technical Detailing	2	ENGR 1	Elective Credit	2
10-606-132	Materials of Industry	2	ENGR 1	Elective Credit	2
10-606-160	Manufacturing Processes - Machining	2	ENGR 116	Basic Manufacturing (3 cr)	4
10-606-162	Manufacturing Processes - Fabrications	2			
10-606-111	Applied Mechanics for Technicians	3	PHYS 201	Engineering Statics (3 cr) – course not satisfied , please see below for details on how to satisfy the course	
10-606-115	Machine Design 1	2	ENGR 1	Elective Credit	2
10-606-163	Strength of Materials	3	ENGR 220	Mechanics of Materials (3 cr) – course not satisfied , please see below for details on how to satisfy the course	
10-606-133	SolidWorks 1	1	ENGR 207	Parametric Modeling (3 cr)	4
10-606-134	SolidWorks 2	1			
10-606-130	Autodesk Inventor 3D CAD Software	2			
10-606-107	Designing for Manufacturability	4	ENGR 1	Elective Credit	4
10-606-117	Machine Design 2	3	ENGR 1	Elective Credit	3
10-612-120	Fluid Power Systems 1: Fundamentals	1	ENGR 118	Fluid Control (2 cr) – course not satisfied , must take Fluid Power Systems 2 (10-612-121) to satisfy requirement	
10-606-108	Geometric Dimensioning & Tolerancing Fund.	1	ENGR 1	Elective Credit	1
10-606-109	Computer Apps & Analysis for Engineers	1	ENGR 1	Elective Credit	1
10-606-116	Tooling & Production	2	ENGR 1	Elective Credit	2

10-606-125	Design Problems	3	ENGR 322	Design Problems (3 cr)	3
	Total occupational course credits earned:	43		Total occupational course credits accepted:	36
	Total credits required for graduation:	62-63			
	Total transferable credits:	55		Total credits accepted at UW-Oshkosh:	55

Both 10-612-120 and 10-612-121 must be completed at NTC too satisfy ENGR 118 Fluid Control 2

Applied Mechanics (10-606-111) and Strength of Materials (10-606-163) and Calculus (10-804-198) and Engineering Mechanics for Transfers (EGRT 222) must be completed to satisfy Statics for Engineering (EGR 201) and Mechanics of Materials (EGR 203)

Additional classes to take to transfer to UW-Oshkosh:

Course No.	Course Title	Credits
10-801-198	Speech	3

Courses needed to complete degree at UW-Oshkosh:

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-801-198	Speech	3	COMM 111	Intro to Public Speaking	3
				History Course	3
				Social Science Course	3
				Global Citizenship Course	3
				English Literature	3
10-809-166	Intro to Ethics: Theory & App	3		Humanities Courses	6
			ENGL 312	Advanced Composition	3
10-804-198	Calculus 1	4	MATH 171	Calculus I	5
			MATH 172	Calculus II	4
10-612-120	Fluid Power Systems 1: Fundamentals	1	EGRT 118	Fluid Control (2)	2
10-612-121	Fluid Power Systems 2: Fundamentals of Pneumatics	1			
			ENGR 130	Basic Electrical Circuits I	4
10-804-198	Calculus	4			
10-606-111	Applied Mechanics for Technicians	3	ENGR 220	Mechanics of Materials	3
10-606-163	Strength of Materials	3	EGR 201	Engineering Statistics	3
EGRT 222	Engineering Mechanics for Transfers (UW-Oshkosh course)	2			
			EGR 202	Engineering Dynamics	3
			ENGR 318 or	Fluid Mechanics	3
			ENGR 308 or	Finite Element Analysis	
			ENGR 365 or	Special Topics	
			EGR 282	Engineering Economics	
			ENGR 320	Motors & Drives	4
			ENGR 330	Thermodynamics	3
			ENGR 335	Heat Transfer	3
			ENGR 342	Measure, Control & Data	3
			ENGR 360	Eng. Project Management	3
			ENGR 390	Mechatronics	4
			ENGR 400	Internship OR	1
			ENGR 410	Capstone Project	
			Total credits needed at UW-Oshkosh to complete degree:		72

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

Updated on: 8/28/23