



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

NTC Program: CIVIL ENGINEERING TECHNOLOGY

Michigan Technological University: Civil Engineering

Minimum GPA for admission: 2.75

Initial effective date: Fall 2024

General Education Courses

NTC			Michigan Technological University		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-801-195	Written Communications OR	3	UN 1015	Composition	3
10-801-136	English Composition 1				
10-801-196	Oral/Interpersonal communication	3	HU 2830	Public Speaking and Multimedia	3
10-809-172	Intro to Diversity Studies OR	3	SS 2XXX	Approved SS elective	3
10-809-196	Intro to Sociology		SS 2700	Sociology	
10-809-199	Psychology of Human Relations OR	3	PSY 1XXE	PSY Elective	3
10-809-198	Intro to Psychology		PSY 2000	Psychology	
10-804-118	Intermediate Algebra OR	3 to 4	MA 1030	College Algebra I	3
10-804-195	College Algebra				
10-804-196	Trigonometry	3	MA 1031	College Algebra II w/ Trig	3
10-806-154	General Physics 1	4	PH1110/1111	College Physics I Lecture and Lab	4
10-890-165	College 101	1	-		1
Total general education credits earned:		23-24			
Total transferable general education credits:				Total general education credits accepted:	22

Occupational Courses

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-607-100	Intro to Civil Engineering	1	CEE 1000	Civil Engineering	1
10-607-101	Surveying and Mapping	2	SU 2000,	Intro to Surveying	2
10-607-105	Surveying 2	3	SU 2050,	Geospatial Computations	4
10-607-107	Surveying 3	2	SU 1XXX	SU Elective	1
10-607-102	AutoCAD and Civil 3D	3	CEE1003, CEE4020	Intro to CAD	1
10-607-104	Intermediate Civil 3D	3		Computer Applications	3
10-607-110	Advanced Civil 3d	3			
10-607-106	Soil Mechanics	2	CEE 3810	Soil Mechanics (2 cr. WVD)	2
10-607-103	Cemented Aggregate Mixtures	3	CEE 3101	Civil Engineering Materials	3
10-607-108	Civil Engineering Internship OR	2	TRUXXXX	-	
10-607-109	Civil Engineering Interactive Project				
10-607-111	Transportation Infrastructure Design	2	CEE 3401	Transportation Engineering (1 cr. WVD)	2
10-607-112	Basic Engineering Statistics	1	TRUXXXX	-	
10-607-113	Smart Technology for Civil Engineering	2	TRUXXXX	-	

10-607-114	Construction Management, Estimating, and Safety	2	CEE3332	Fundamentals of Construction (1 cr. WVD)	2
10-607-115	Stormwater Management	2	TRUXXXX	-	
10-607-116	Water and Sewer Technology	2	TRUXXXX	-	
10-607-117	Civil Engineering Technology Capstone	4	TRUXXXX	-	
	Total occupational course credits earned:	39		Total occupational course credits accepted:	21
	Total credits required for graduation:	62-63			
	Total transferable credits:			Total credits accepted at Michigan Tech:	43

Additional courses to take at NTC to transfer:

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-152-561	Client-Side Web Development 1A	1	ENG 1101	Engineering Analysis & Prob Solving	3
10-152-562	Client-Side Web Development 1B	1			
10-152-563	Client-Side Web Development 1C	1			
10-606-130 OR	Autodesk Inventor 3D CAD Software	2	ENG 1102	Engineering Modeling and Design (1 cr WVD)	2
10-606-133 & 134	Solidworks1 & Solidworks2				
10-804-189	Statistics	3	MA 3710	Engineering Statistics	3
10-804-198	Calculus 1	4	MA 1160	Calculus with Technology 1	4
10-804-199	Calculus 2	4	MA 2160	Calculus with Technology 2	4
	Professional Electives (pick 2)			Professional Electives (pick 2)	
10-809-143 or 195	Microeconomics	6	EC 2001	Principles of Economics	6
10-101-111	Accounting		ACC 2000	Accounting Principles I	
10-196-188	Project Management		OSM 4300	Project Management	
10-102-160	Business Law		BUS 2200	Business Law	
	Total additional transferable credits:	22		Total additional credits accepted at MTU:	22

Courses needed to complete degree at MTU:

Course No.	Course Title	Credits
Ess Ed	Activities for Well-Being & Success	3
Ess Ed	Arts and Culture	3
Ess Ed	Intercultural Competency	3
Ess Ed	Essential Ed Experience	3
CH 1150/51	University Chemistry	4
PH 2100	University Physics Lecture I	3
PH 1200	University Physics Lab II	1
PH 2200	University Physics Lecture II	3
MA 2320	Linear Algebra	2
MA 3160	Multivariable Calculus	4
MA 3520	Differential Equations	2
MEEM 2110	Statics	3
MEEM 2150	Mechanics of Materials	3

GE 2000	Understanding the Earth	3
EC 3400	Economic Decision Analysis	3
CEE 1001	Sustainability and Civil Engineering Practice	1
CEE 3200	Thermo/Fluids	4
CEE 3331	Professional Practice	2
CEE 3620	Water Resource Engineering	4
CEE Design	CEE Design Course	3
CEE 4905	Senior Design	3
	Technical Elective	3
	Professional Elective	3
	Engineering Science Elective	3
Total credits needed at MTU to complete degree (~5 semesters):		69

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

Updated 12/11/2024