

General Physics 1

Total general education credits earned:

Total transferable general education credits:

College 101

10-806-154

10-890-165

TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS NTC Program: CIVIL ENGINEERING TECHNOLOGY

Michigan Technological University: Geospatial Engineering Minimum GPA for admission: 2.75 Initial effective date: Fall 2024

College Physics I Lecture and Lab

Total general education credits accepted:

Credits

3

3

3

3

3

3

4

22

NTC **Michigan Technological University Course Title** Course No. Credit Course No. **Course Title/Field** Written Communications OR 10-801-195 3 UN 1015 Composition 10-801-136 English Composition 1 Oral/Interpersonal communication HU 2830 Public Speaking and Multimedia 10-801-196 3 10-809-172 Intro to Diversity Studies Or SS 2XXX Approved SS elective 3 10-809-196 Intro to Sociology SS 2700 Sociology Psychology of Human Relations OR 10-809-199 PSY 1XXE PSY Elective 3 PSY 2000 10-809-198 Intro to Psychology Psychology Intermediate Algebra OR 10-804-118 3 to 4 MA 1030 College Algebra I 10-804-195 College Algebra 10-804-196 College Algebra II w/ Trig Trigonometry 3 MA 1031

4

1

23-24

PH1110/1111

Conoral	Education	Courses

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,	Intro to CAD	1
10-607-104	Intermediate Civil 3D	3	CEE4020	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	2			
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			
10-152-562	Client-Side Web Development 1B	1	ENG 1101	Engineering Analysis & Prob Solving	3
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	Solidworks 1 & Solid Works 2	2	ENG 1102		2
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
10-102-160	Business Law	3	BUS 2200	Business Law	3
	Total additional transferable credits:	19		Total additional credits accepted at MTU:	19

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
CEE 3331	Professional Practice	2
CH 1150/51	University Chemistry	4
ENG 2120	Statics/Strength of Materials	4
FW 3540	GIS for Natural Resource Manag.	4
GE 2000	Understanding the Earth	3
HU 3120	Tech & Prof. Communication	3
MA 2320	Linear Algebra	2
MA 3160	Multivariable Calculus	4
PH 2100	University Physics Lecture I	3
SU 2220	Route and Engrg Surveying	3
SU 3180	Boundary Surveying Principles	4
CMG 3200	Site Planning and Development	4
SU 3600	Surveying Comp & Adjustments	4
SU 4060	Geodesy	3

SU 4100	Geodetic Positioning	3
SU 4140	Photogram & UAV Mapping	4
SU 4142	3D Surveying & Modeling	3
SU 4180	Land Subdivision Design	3
SU 4540	Intro to Remote Sensing	3
SU	Surveying Elective	3
CEE 4905	Senior Design	3
	Science Elective	3
Total credits	84	

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**