

Electrical Engineering Technology

1st Semester

NMC

MTU

Number	Course Name	Cr	Number	Course Name	Cr
ENG 111	English Composition	4	UN 1015 HU 1XXX	Composition HASS Elective	3 1
EGR 101	Intro to Engineering	1	ENG 1XXE	ENG Elective	1
# CIT 110	Programming Logic and Design	3	# EET 2241	C++ and MATLAB Programming	3
MTH 141	Calculus I	5	MA 1160 MA 1XXX	Calculus I STEM Math Elective	4 1
* PHL 101	Intro to Philosophy	3	HU 2700	Intro to Philosophy	3
16			16		

2nd Semester

NMC

MTU

Number	Course Name	Cr	Number	Course Name	Cr
* PSY 101	Intro to Psychology	3	PSY 2000	Intro to Psychology	3
MTH 142	Calculus II	5	MA 2160 MA 1XXX	Calculus II STEM Math Elective	4 1
EGR 113	Engineering Graphics I	3	MET 1020	Tech. Computer App.	3
* GEO 109	World Reg. Geo.	3	UN 1025	Global Issues	3
14			14		

3rd Semester

NMC

MTU

Number	Course Name	Cr	Number	Course Name	Cr
* HST 101 /111/112	History	4	SS 2502/00/01 SS 1XXX	History HASS Elective	3 1
^ HST 230	History of Michigan	3	SS 3540	History of Michigan	3
7			7		

4th Semester

NMC

MTU

Number	Course Name	Cr	Number	Course Name	Cr
MTH 131	Intro to Prob & Stats	3	MA 2710	Intro to Statistical Analy	3
PHY 221, 221R, 221L	P&P Physics I	5	PH 2100/1100 TRU XXXX	University Physics I Unassigned Transfer	4 1
EGR 201	Statics	3	MEEM 2110	Statics and Strength	3
ENG 112	English Composition	4	HU 1XX5	HASS Comm. / Comp.	4
15			15		

NOTE: Students required to complete MTU EE 1110 (1 credit) before enrolling in EGR 211.

5th Semester

NMC

MTU

Number	Course Name	Cr	Number	Course Name	Cr
^ MUS 129	History of Rock and Roll	3	FA 3625	History of Rock	3
EGR 202	Mechanic of Materials	3	MEEM 2150	Mechanic of Materials	3
EGR 203	Dynamics	4	MET 2130 TRU XXXX	Dynamics Unassigned Transfer	3 1
EGR 211	Electrical Circuits I	3	EET 1120	Circuits 1	4
13			13		

Electrical Engineering Technology

* Gen. Ed. required courses – some selected NMC courses may satisfy MTU requirements and Michigan Transfer Agreement. See advisor for Gen. Ed. courses and applicable MTA requirements.

^ HASS Gen. Ed. courses – some selected NMC courses satisfy MTU HASS requirements and meet the 3000+ level course requirements. See advisor for Gen. Ed. courses and applicable MTU requirements.

NMC 65 credits transfer to MTU 58 program + 7 credits electives. MTU EE1100 1 credit.

3rd semester and 6th semester are summer sessions.

Up to 3 additional credits of Physical Education may transfer.

Transfer credit for CIT 110 as EET 2141 remains to be approved. May require modification of CIT 110 content.

Courses at MTU

6th Semester

EET 2120	Circuits II w/Lab	4
<u>EET 2220</u>	<u>Electronic Devices and Circuits</u>	<u>4</u>
		8

Junior Year

7th Semester

EET 2141	Digital Elect. And Micro. Fund.	4
EET 2233	Electrical Machinery	4
EET 2413	Data Communications	3
EET 3373	Intro. to Prog. Controllers	3

8th Semester

EET 2142	Dig. Dsgn. and Mod VHDL	3
EET 3281	Elect. Proj. Dev. and Tblsh	3
EET 4253	LabVIEW Prog. for Data	3
HU 3120	Tech. and Prof. Comm.	3
<u>OSM 4300</u>	<u>Project Management</u>	<u>3</u>

14

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Senior Year

9th Semester

EET 3141	Computer Arch. and Dsgn.	4
EET 3225	Special Electronic Devices	4
EET 4141	Microcontroller Interfacing	4
EET 4460	Senior Project I	3

10th Semester

EET 3141	Program. Logic Devices	3
EET 3367	Communication Systems	4
EET XXX	Elective	4
EET 4480	Senior Project II	3
<u>EET 4999</u>	<u>Prof. Practice in EET</u>	<u>1</u>

15

15

Electrical Engineering Technology

NMC 65 credits

MTU 68 credits

Program Total: 133 Credits

[Does not include 3 Credits of Physical Education required for Graduation.]

Once all MTA requirements are met, the student will receive an Associate Degree from Northwestern Michigan College. Any course not completed at NMC will require completion at MTU, including all prerequisite courses. All program specific courses require a 2.0 (C) grade for transfer.

Students may require additional courses necessary to meet the minimum Mathematical and English Composition pre-requisites.

NMC and MTU course offerings and/or delivery methods are subject to change.

Students are required to meet with an academic advisor during each semester to maintain continuity with program requirements.

**Adrienne R. Minerick, MTU
Dean, College of Computing**

Date

**Debra A. Pharo, NMC
Academic Chair**

Date

**Daniel R. Fuhrmann, MTU
Director, CNSA/MERET/HI Division**

Date

**Gerald O. Dobek, NMC
Sciences Department Head**

Date