Mechanical Engineering

1st Semester NMC MTU

Number	Course Name	Cr	Number	Course Name	Cr
ENG 111	English Composition	4	UN 1015	Composition	3
			HU 1XXX	HASS Elective	1
EGR 101	Intro to Engineering	1	ENG 1XXE	ENG Elective	1
EGR 113	Engineering Graphics I	3	ENG 1102	Engrg Modeling & Design	3
MTH 141	Calculus I	5	MA 1160	Calculus I	4
			MA 1XXX	STEM Math Elective	1
* GEO 109	World Reg. Geography	3	UN 1025	Global Issues	3

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2nd Semester NMC MTU

Number	Course Name	Cr	Number	Course Name	Cr
CIT 110	Programming Design	3	ENG 1101	Engrg Analysis & Prob	3
CHM 150,	General Chemistry I	5	CH 1150/51/53	University Chemistry I	5
150R, 150L					
MTH 142	Calculus II	5	MA 2160	Calculus II	4
			MA 1XXX	STEM Math Elective	1
EGR 221	Material Science	3	MSE 2100	Material Science	3

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3rd Semester NMC MTU

Number	Course Name	Cr	Number	Course Name	Cr
* PSY 101	Intro to Psychology	3	PSY 2000	Intro to Psychology	3
* PHL 101	Intro to Philosophy	3	HU 2700	Intro to Philosophy	3
* HST 101	History	4	SS 2502	History	3
/111/112			/00/01		
			SS1XXX	HASS Elective	1
ENG 112	English Composition	4	HU 1XX5	HASS Comm. / Comp	4

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4th Semester NMC MTU

Number	Course Name	Cr	Number	Course Name	Cr
MTH 241	Calculus III	5	MA 3160	Calculus III	4
			MA 1XXX	STEM Math Elective	1
PHY 221,	P&P Physics I	5	PH 2100/1100	University Physics I	4
221R, 221L			TRU XXXX	Unassigned Transfer	1
EGR 201	Statics	3	MEEM 2110	Statics	3
EGR 220	Engineering Practice I	2	MEEM 2901	Mech. Eng. Practice I	2
EGR 232	Introductory Thermo	3	MEEM 2201	Introductory Thermo	3

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Mechanical Engineering

5th Semester NMC MTU

Number	Course Name	Cr	Number	Course Name	Cr
MTH 251	Diff. Eq.	4	MA 2320/3520	Diff. Eq. / Linear Alg.	4
PHY 222,	P&P Physics II	5	PH 2200/1200	University Physics II	4
222R, 222L			TRU XXXX	Unassigned Transfer	1
EGR 202	Mechanic of Materials	3	MEEM 2150	Mechanic of Materials	3
EGR 203	Dynamics	4	MEEM 2700	Dynamics	3
			TRU XXXX	Unassigned Transfer	1

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NMC 80 credits transfer to MTU 71 program + 9 credits electives.

Up to 3 additional credits of Physical Education may transfer.

Courses at MTU

Junior year					
6th Semester			7 th Semester		
MEEM 2911	Mechanical Eng. Practice II	3	MEEM 3750	Dynamic Systems	4
EC 3400	Economic Decision Analysis	3	MEEM 3600	Intro. to Manuf.	3
MA 3710	Statistics	3	MEEM 3400	Mech. Sys. Desg. & Analy	3
EE 3010	Circuits & Instrumentation	3	MEEM 3911	Mech. Eng. Practice IV	3
MEEM 3901	Mechanical Eng. Practice III	2			
		14			13
Senior Year					
8 th Semester			9th Semester		
MEEM 3201	Intro. Fluid Mech. & Heat Trans.	4	MEEM 4911	Senior Design II	2
MEEM 4901	Senior Design I	2		Technical Elective III	3
	Technical Elective I	3		Technical Elective IV	3
	Technical Elective II	3		Technical Elective V	3
	HASS Gen. Ed. (3000+)	3		HAAS Gen. Ed. (3000+)	3
		15			14

NOTE: A minimum of six (6) credits of MTU Technical Electives must be MEEM courses.

^{*} General Education required courses - some selected NMC courses may satisfy MTU Gen. Ed. requirements and Michigan Transfer Agreement. See an advisor for Gen. Ed. courses and applicable MTA requirements.

^{3&}lt;sup>rd</sup> semester is a summer session.

Mechanical Engineering

MTU 56 credits.

Program Total: 136 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.