

# ME CURRICULUM SHEET



**You are not required to take classes in this exact order.**

Everything is set up based on prerequisites - if you meet the prerequisite, then you can take the class.

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
ME 1111 - Intro to ME	PH 2213 - Physics I <b>Prereq: MA 1713</b>	PH 2223 - Physics II <b>Prereq: PH 2213, MA 1723</b>	MA 2743 - Calculus IV <b>Prereq: MA 2733</b>	EM 3213 - Mech. of Mat'l <b>Prereq: EM 2413, MA 2733</b>	ME 3403 - Mat'l for ME Design <b>Prereq: CH 1223, EM 2413</b> Coreq: ME 3213	ME 4403 - Machine Design <b>Prereq: EM 3213, ME 2133, ME 3423</b> Coreq: ME 3403	ME 4401 - Solid Mech. Lab <b>Prereq: EM 2433, EM 3213, ME 3103, ME 3403</b>
MA 1713 - Calculus I	MA 1723 - Calculus II <b>Prereq: MA 1713</b>	EM 2413 - Eng. Mech I (Statics) <b>Prereq: PH 2213, MA 1723</b>	EM 2433 - Eng. Mech II (Dynamics) <b>Prereq: EM 2413, MA 2733</b>	EM 3313 - Fluid Mech. <b>Prereq: EM 2413, MA 2733</b>	ME 3423 - Mech. of Machinery <b>Prereq: EM 2433, ME 3113</b>	ME 3613 - System Dynamics <b>Prereq: EM 2433, EM 3313, ME 3113</b>	ME 4643 - Vibration & Controls <b>Prereq: ME 3613</b>
CH 1213 - Chem. I	CH 1223 - Chem. II (No lab required) <b>Prereq: CH 1213</b>	MA 2733 - Calculus III <b>Prereq: MA 1723</b>	MA 3253 - DE I <b>Prereq: MA 2743</b> Coreq: MA 2743	ME 3113 - Eng. Analysis <b>Prereq: Comp. Prog., MA 3113, MA 3253, PH 2213</b>	ME 3103 - Exp. Meas. & Techniques Coreq: GE 3513, ME 3523	IE 3913 - Engr. Economy I <b>Prereq: MA 1713</b>	ME 4433 - CDI <b>Prereq: ME 3423, ME 4403</b>
CH 1211 - Chem. I Lab	CSE 1233 - Comp. Program with C CSE 1284 - Intro to Comp. Program	ME 2133 - Mod. & Manuf. <b>Prereq: ME 1111 (SO Standing)</b>	ME 3513 - Thermo. I <b>Prereq: CH 1213, CH 1211, MA 2733, PH 2213</b>	ME 3523 - Thermo. II <b>Prereq: ME 3513, CH 1223</b>	ME 3313 - Heat Transfer <b>Prereq: EM 3313, MA 3253, ME 3513</b>	ME 4301 - Thermo. Fluids Lab <b>Prereq: ME 3103, ME 3313, ME 3523, EM 3313, GE 3513</b>	ME 4333 - ESD <b>Prereq: ME 3313, ME 3113</b>
EN 1103 - Comp I	EN 1113 - Comp. II <b>Prereq: EN 1103</b>	MA 3113 - Linear Alg. <b>Prereq: MA 1723</b>	*[Humanities Elective]	GE 3513 - Tech. Writing <b>Prereq: EN 1103, EN 1113 (JR Standing)</b>	ECE 3413 - Intro to Elec. Circuits <b>Prereq: MA 3113</b> Coreq: MA 3113	**[Technical Elective]	ME 4111 - Professional Seminar <i>(SR Standing)</i>
*[Humanities Elective]	<b>IMPORTANT NOTES</b> <ul style="list-style-type: none"> <li>Course(s) requiring a C or Better are <b>BOLDED</b></li> <li>Last Digit of in Course Number is Credit Hours <i>Example: MA 1723 = 3 credit hours</i></li> <li>*[MSU Core Elective] - Humanities, Soc/Beh Science, &amp; Fine Arts</li> <li>**[Technical Elective] - At least 1 tech. elect <b>MUST</b> be ME 4XXX</li> </ul>		*[Soc/ Beh Elective]	*[Soc/ Beh Elective]	*[Soc/ Beh Elective]	**[Technical Elective]	
*[Fine Arts Elective]			*[Soc/ Beh Elective]	**[Technical Elective]			

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REVISED AS OF SPRING 2025

Name: \_\_\_\_\_

Net ID: \_\_\_\_\_

Today's Date: \_\_\_\_\_

Admin Term/Type: \_\_\_\_\_

Expected Graduation Date: \_\_\_\_\_