

# Mechanical Engineering Curriculum Sheet

You are not required to take the classes in this exact order. Everything is set up based on prerequisite requirements – if you meet the prerequisites you can take the class.

1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	3 <sup>rd</sup> Semester	4 <sup>th</sup> Semester	5 <sup>th</sup> Semester	6 <sup>th</sup> Semester	7 <sup>th</sup> Semester	8 <sup>th</sup> Semester
ME 1111 – Intro to ME	PH 2213 – Phys I <b>Prereq: MA 1713</b>	PH 2223 – Phys II <b>Prereq: PH2213, MA 1723</b>	*Humanities Elective	EM 3213 – Mech of Mat'l <b>Prereq:EM2413, MA2733</b>	ME 3403 – Mat'ls for ME Design <b>Prereq: CH1223, EM2413</b> <b>Coreq: EM 3213</b>	ME 4403 – Machine Design <b>Prereq: EM 3213, ME2133, ME 3423</b> <b>Coreq: ME 3403</b>	ME 4443 – MSD <b>Prereq: ME 3423</b> <b>ME 4403</b>
MA 1713 – Cal I	MA 1723 – Cal II <b>Prereq: MA 1713</b>	EM 2413 – Eng Mech I (Statics) <b>Prereq: PH2213, MA 1723</b>	EM 2433 – Eng Mech II (Dynamics) <b>Prereq:EM2413,MA2733</b>	ME 3113 – Eng Analysis <b>Prereq: Comp. Prog., MA 3113, MA 3253, PH 2213</b>	ME 3423 – Mech of Machinery <b>Prereq:EM2433, ME3113</b>	**Tech Elect	** Tech Elect
CH 1213 – Chem I	CH 1223 – Chem II (no lab required) <b>Prereq: CH 1213</b>	MA 2733 – Cal III <b>Prereq: MA 1723</b>	MA 2743 – Cal IV <b>Prereq: MA 2733</b>	EM 3313 – Fluid Mech. <b>Prereq:EM 2413, MA2733</b>	ME 3313 – Heat Transfer <b>Prereq: EM 3313</b> <b>MA 3253, ME 3513</b>	ME 4301 – Thermo Fluids Lab <b>Prereq: ME 3103, ME3313 ME 3523, EM 3313</b>	ME 4333 – ESD <b>Prereq: ME 3313</b> <b>ME 3113</b>
CH 1211 – Chem 1 Lab	CSE 1233 - Computer Programming with C / CSE 1284 - Intro to Comp Programming	ME 2133– Mod. & Manuf. <b>(SO standing)</b> <b>Prereq: ME 1111</b>	ME 3513 – Thermo I <b>Prereq: CH1213, CH1211</b> <b>MA 2733, PH 2213</b>	ME 3523 – Thermo II <b>Prereq: ME 3513, CH 1223</b>	ME 3103 – Exp Meas & Techniques <b>Prereq: GE 3513</b> <b>Coreq: ME 3523</b>	IE 3913 <b>Prereq: MA 1713</b>	ME 4401 – Solid Mechanics Lab <b>Prereq:EM 2433,EM 3213,ME3103,ME3403</b>
EN 1103 – Comp I	EN 1113 – Comp II <b>Prereq: EN 1103</b>	MA 3113 – Linear Alg <b>Prereq: MA 1723</b>	MA 3253 – DE I <b>Coreq: MA 2743</b>	GE 3513 – Tech Writing (JR standing) <b>Prereq: EN 1103, EN 1113</b>	ECE 3413 – Elec. Circuits <b>Prereq: PH2223, MA1723</b>	ME 3613 – System Dyn. <b>Prereq:EM2433, EM3313 ME 3113</b>	ME 4111 – Professional Seminar <b>(SR standing)</b>
*Humanities Elective				*Soc/Beh Science Elective		*Soc/Beh Science Elective	ME 4643– Vibration & Controls <b>Prereq: ME 3613</b>
*Fine Arts Elective							** Tech Elect

**Courses outlined in bold require a grade of “C” or better. Note the last digit in the course number indicates the credit hours earned.**  
 \*Core electives (Humanities, Soc/Beh Science, Fine Arts) must come from MSU Core-Approved list  
 \*\* Technical Elective must be approved – 3 ME 4XXX; or 2 ME 4XXX & 1 non-ME or 1 ME 4XXX & 2 non-ME (non-ME TE’s must be from approved TE list or based on consultation with academic advisor)



Classes Taken



Classes in Progress



Course must be Retaken

**Courses that must be retaken are listed on the back.**

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

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

Admit Term/Type: \_\_\_\_\_

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

Degree Audit Completed: \_\_\_\_\_