

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