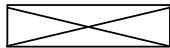


# Mechanical Engineering Flowchart Engineering on the Coast Campus

*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.*

Community College				Mississippi State University			
1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester FALL	6th Semester SPRING	7th Semester FALL	8th Semester SPRING
ENG 1113 <b>EN 1103</b> English Comp I	ENG 1123 <b>EN 1113</b> English Comp II <i>Prereq: Comp I</i>	EGR 2413 <b>EM 2413</b> Eng. Mechanics I <i>Prereqs: Physics I &amp; Cal II</i>	EGR 2433 <b>EM 2433</b> Eng. Mechanics II <i>Prereqs: EM I &amp; Cal III</i>	EM 3213 Mech of Materials <i>Prereqs: EM I &amp; Cal III</i>	EM 3313 Fluid Mechanics <i>Prereqs: EM I &amp; Cal III</i>	ECE 3413 Intro to Elec. Circuits <i>Prereqs: Physics II &amp; Cal II</i>	IE 3913 Engineering Economy <i>Prereq: Cal I</i>
CHE 1214 <b>CH 1213 + CH 1211</b> General Chemistry I w/lab	CHE 1224 <b>CH 1223</b> General Chem II w/lab <i>Prereq: Chem I</i>	MAT 2613 <b>MA 2733</b> Calculus III <i>Prereq: Cal II</i>	MAT 2623 <b>MA 2743</b> Calculus IV <i>Prereq: Cal III</i>	GE 3513 Tech Writing <i>Prereqs: Comp I, Comp II, &amp; Jr. Standing</i>	ME 3103 Exp. Measures & Techniques <i>Coreqs: ME 3523 &amp; GE 3513</i>	ME 3313 Heat Transfer <i>Prereqs: EM 3313, DE, &amp; ME 3513</i>	ME 4301 Thermo-Fluids Lab <i>Prereqs: ME 3103, ME 3313, ME 3523, &amp; EM 3313</i>
MAT 1613 <b>MA 1713</b> Calculus I	MAT 1623 <b>MA 1723</b> Calculus II <i>Prereq: Cal I</i>	MAT 2113 <b>MA 3113</b> Linear Algebra <i>Prereq: Cal II</i>	MAT 2913 <b>MA 3253</b> Differential Equations <i>Coreq: Cal IV</i>	ME 1111 Intro to ME	ME 3403 Materials for ME Design <i>Prereqs: Chem II &amp; EM I Coreq: EM 3213</i>	ME 3613 System Dynamics <i>Prereqs: EM II, EM 3313, &amp; ME 3113</i>	ME 4333 Energy Systems Design <i>Prereqs: ME 3313 &amp; ME 3113</i>
Fine Arts Elective*	PHY 2514*** <b>PH 2213</b> Physics I w/Calculus <i>Prereq: Cal I</i>	PHY 2524*** <b>PH 2223</b> Physics II w/Calculus <i>Prereqs: Physics I &amp; Cal II</i>	Social/Behavioral Science Elective*	ME 2133 Modeling & Manufacturing <i>Prereq: Soph. Standing</i>	ME 3423 Mech of Machinery <i>Prereqs: EM II &amp; ME 3113</i>	ME 4111 Professional Seminar <i>Prereq: Sr. Standing</i>	ME 4443 MSD <i>Prereqs: ME 3423 &amp; ME 4403</i>
Humanities Elective*	Social/Behavioral Science Elective*	CSC 2134 <b>CSE 1233 or CSE 1284</b> Computer Programming I w/C++	Humanities Elective*	ME 3113 Engineering Analysis <i>Prereqs: C++, DE, Linear Algebra, &amp; Physics I</i>	ME 3523 Thermo II <i>Prereqs: ME 3513 &amp; Chem II</i>	ME 4401 Solid Mechanics Lab <i>Prereqs: EM II, EM 3213, ME 3103, &amp; ME 3403</i>	ME 4643 Intro to Vibrations & Controls <i>Prereq: ME 3613</i>
				ME 3513 Thermo I <i>Prereqs: Chem I, Cal III, &amp; Physics I</i>	Tech Elective**	ME 4403 Machine Design <i>Prereqs: EM 3213 &amp; ME 2133 Coreq: ME 3403</i>	Tech Elective**
						Tech Elective**	



Classes taken



Classes in progress



Classes for next semester

**Courses outlined in bold require a grade of "C" or better.**

\*Core Electives (Humanities, Social/Behavioral Science, Fine Arts) must come from MSU core-approved list.

\*\*Technical Electives must be approved: 3 ME 4XXX, 2 ME 4XXX & 1 non-ME, or 1 ME 4XXX and 2 non-ME (non-ME must be from approved TE list or based on consultation with academic advisor).

\*\*\*Physics must be Calculus based.

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

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

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

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

Advisor Signature: \_\_\_\_\_