

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 <i>Prereq: MA 1713</i>	PH 2223 - Physics II <i>Prereq: PH 2213, MA 1723</i>	MA 2743 - Calculus IV <i>Prereq: MA 2733</i>	EM 3213 - Mech. of Mat'l <i>Prereq: EM 2413, MA 2733</i>	ME 3403 - Mat'l for ME Design <i>Prereq: CH 1223, EM 2413 Coreq: EM 3213</i>	ME 4403 - Machine Design <i>Prereq: EM 3213, ME 2133, ME 3423 Coreq: ME 3403</i>	ME 4433 - CDI <i>Prereq: ME 3423, ME 4403</i>
MA 1713 - Calculus I	MA 1723 - Calculus II <i>Prereq: MA 1713</i>	EM 2413 - Eng. Mech I (Statics) <i>Prereq: PH 2213, MA 1723</i>	EM 2433 - Eng. Mech II (Dynamics) <i>Prereq: EM 2413, MA 2733</i>	EM 3313 - Fluid Mech. <i>Prereq: EM 2413, MA 2733</i>	ME 3423 - Mech. of Machinery <i>Prereq: EM 2433, ME 3113</i>	ME 3613 - System Dynamics <i>Prereq: EM 2433, EM 3313, ME 3113</i>	ME 4643 - Vibration & Controls <i>Prereq: ME 3613</i>
CH 1213 - Chem. I	CH 1223 - Chem. II (No lab required) <i>Prereq: CH 1213</i>	MA 2733 - Calculus III <i>Prereq: MA 1723</i>	MA 3253 - DE I <i>Coreq: MA 2743</i>	ME 3113 - Eng. Analysis <i>Prereq: Comp. Prog., MA 3113, MA 3253, PH 2213</i>	ME 3103 - Exp. Meas. & Techniques <i>Coreq: GE 3513, ME 3523</i>	IE 3913 - Engr. Economy I <i>Prereq: MA 1713</i>	ME 4333 - ESD <i>Prereq: ME 3313, ME 3113</i>
CH 1211 - Chem. I Lab	CSE 1233 - Comp. Program with C CSE 1284 - Intro to Comp. Program	ME 2133 - Mod. & Manuf. <i>Prereq: ME 1111 (SO Standing)</i>	ME 3513 - Thermo. I <i>Prereq: CH 1213, CH 1211, MA 2733, PH 2213</i>	ME 3523 - Thermo. II <i>Prereq: ME 3513, CH 1223</i>	ME 3313 - Heat Transfer <i>Prereq: EM 3313, MA 3253, ME 3513</i>	ME 4301 - Thermo. Fluids Lab <i>Prereq: ME 3103, ME 3313, ME 3523, EM 3313, GE 3513</i>	ME 4401 - Solid Mech. Lab <i>Prereq: EM 2433, EM 3213, ME 3103, ME 3403</i>
EN 1103 - Comp I	EN 1113 - Comp. II <i>Prereq: EN 1103</i>	MA 3113 - Linear Alg. <i>Prereq: MA 1723</i>	*[Humanities Elective]	GE 3513 - Tech. Writing <i>Prereq: EN 1103, EN 1113 (JR Standing)</i>	ECE 3413 - Intro to Elec. Circuits <i>Coreq: MA 3113</i>	**[Technical Elective]	ME 4111 - Professional Seminar <i>(SR Standing)</i>
*[Humanities Elective]	IMPORTANT NOTES - Course(s) requiring a C or Better have BOLDED BLUE BORDERS - Last Digit of in Course Number is Credit Hours <i>Example: MA 1723 = 3 credit hours</i> *[MSU Core Elective] - Humanities, Soc/Beh Science, & Fine Arts **[Technical Elective] - At least 1 tech. elect MUST be ME 4XXX			*[Soc/ Beh Elective]	*[Soc/ Beh Elective]	*[Soc/ Beh Elective]	**[Technical Elective]
*[Fine Arts Elective]							**[Technical Elective]

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REVISED AS OF SPRING 2025

Name: _____

Net ID: _____

Today's Date: _____

Admin Term/Type: _____

Expected Graduation Date: _____

UNDERGRADUATE PROGRAM MAP



MISSISSIPPI STATE
UNIVERSITY™

Mechanical
Engineering

Estimated 17 hrs

Estimated 15-16 hrs

Estimated 15 hrs

Estimated 15 hrs

Estimated 18 hrs

Estimated 15 hrs

Estimated 16 hrs

Estimated 17 hrs

Fine Arts
Elective

Humanities
Elective

EN 1113
Comp II

Humanities
Elective

Social/
Behavioral
Elective

Technical
Elective

Social/
Behavioral
Elective

Technical
Elective

Technical
Elective

Semester
1

Semester
2

Semester
3

Semester
4

Semester
5

Semester
6

Semester
7

Semester
8

ME 1111
Intro to ME

MA 1713
Calculus I

CH 1211
Chemistry I Lab

CH 1213
Chemistry I

EN1103
Comp I

CSE 1233 / 1284
Computer Literacy

MA 1723
Calculus II

PH 2213
Physics I

CH 1223
Chemistry II
(No Lab required)

EN 1113
Comp II

ME 2133
Modeling &
Manufacturing

MA 3113
Linear Algebra

MA 2733
Calculus III

EM 2413
Statics

PH 2223
Physics II

MA 3253
Differential Eq. I

MA 2743
Calculus IV

EM 2433
Dynamics

ME 3513
Thermo I

ME 3113
Engineering
Analysis

EM 3213
Mechanics of
Materials

EM 3313
Fluid Mechanics

ME 3523
Thermo II

GE 3513
Tech Writing

ECE 3413
Electronic Circuits

ME 3423
Mechanics of
Machinery

ME 3313
Heat Transfer

ME 3403
Materials for
Mech Design

ME 3103
Exp. Meas. &
Techniques

IE 3913
Engineering
Economy

ME 3613
System Dynamics

ME 4403
Machine Design

ME 4301
Thermo Fluids Lab

ME 4643
Vibrations &
Controls

ME 4333
ESD

ME 4433
CDI

ME 4401
Solid Mech Lab

ME 4111
Professional
Seminar

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Critical Path

Prerequisite

Co-requisite

C or Better
Requirement

C

System Dynamics

Thermofluid Mechanics

Math/Science

Solid Mechanics

Electives

Capstone

Professional Development