



Degree Map

CATALOG YEAR: 2024-2025

Degree: BSME

MAJOR: Mechanical Engineering

Aerospace

The major map illustrates one path to completing your major, based on faculty members' advice on course sequence and course schedule. This document provides general direction.

Course	Cr. Hrs.	Course	Cr. Hrs.
FIRST YEAR			
Semester: Fall Total Credit Hours: 17		Semester: Spring Total Credit Hours: 17	
ME 1010 ME Fundamentals I	3	ME 1020 ME Fundamentals II	3
MATH 1910 Calculus 1	4	MATH 1920 Calculus II	4
CHEM 1110 Gen Chemistry	4	PHYS 2110 Physics I	4
ENGL 1010 English Composition I	3	ENGL 1020 English Composition II	3
Humanities/Fine Arts Elective	3	Humanities/Fine Arts Elective	3
Course	Cr. Hrs.	Course	Cr. Hrs.
SOPHOMORE YEAR			
Semester: Fall Total Credit Hours: 17		Semester: Spring Total Credit Hours: 17	
CEE 2110 Statics	3	ME 2330 Dynamics	3
MATH 2010 Matrix Algebra	3	COMM 2025 or PC 2500 Communication	3
MATH 2120 Diff. Equations	3	ME 2210 Thermodynamics	3
PHYS 2120 Physics	4	ECE 2050 Circuits & Electronics	4
ENGL 2130, 2235, or 2330 Lit.	3	MATH 2110 Calculus III	4
ME 2910 Prof. & Ethics	1		
Course	Cr. Hrs.	Course	Cr. Hrs.
JUNIOR YEAR			
Semester: Fall Total Credit Hours: 15		Semester: Spring Total Credit Hours: 15	
ME 3001 ME Analysis	3	ME 3050 System Dynamics	3
ME 3310 Experimental Methods I	3	ME 3320 Experimental Methods II	3
ME 3010 Materials	3	ME 3610 ME Dynamics of Mach	3
ME 3720 Fluid Mechanics	3	ME 3710 Heat Transfer	3
CEE 3110 Mech of Materials	3	ME 3020 Machine Design	3
Course	Cr. Hrs.	Course	Cr. Hrs.
SENIOR YEAR			
Semester: Fall Total Credit Hours: 15		Semester: Spring Total Credit Hours: 15	
ME 4414 Senior Design I	3	ME 4424 Senior Design II	3
ME 4020 Applied Mac Design or ME 4720 Thermal Design	3	ME 4710 Propulsion or ME 4310 Gas Dynamics or ME 4510 Aerodynamics	3
ME 4710 Propulsion or ME 4310 Gas Dynamics or ME 4510 Aerodynamics	3	ME 4060 Machine Vibrations or ME 4380 Intro Data Acq or ME 4620 Turbomachinery or ME 4810 Automatic Controls or ME 4930 Noise Control	3
ME 4060 Machine Vibrations or ME 4380 Intro Data Acq or ME 4620 Turbomachinery or ME 4810 Automatic Controls or ME 4930 Noise Control	3	Area of Emphasis Course 1	3
Social Behavior Sc. Elective	3	Social Behavior Sc. Elective	3