



Degree Map

CATALOG YEAR: 2022-2023

Degree: BSME

MAJOR: Mechanical Engineering
CONCENTRATION: 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: 16		Semester: Spring Total Credit Hours: 16	
ENGR 1110 Graphics	2	ENGL 1020 English Composition II	3
MATH 1910 Calculus 1	4	ENGR 1120 Programming	2
CHEM 1110 Gen Chemistry	4	MATH 1920 Calculus II	4
ENGL 1010 English Composition I	3	PHYS 2110 Physics I	4
Humanities/Fine Arts Elective	3	Humanities/Fine Arts Elective	3
Course	Cr. Hrs.	Course	Cr. Hrs.
SOPHOMORE YEAR			
Semester: Fall Total Credit Hours: 16		Semester: Spring Total Credit Hours: 17	
CEE 2110 Statics	3	ME 2330 Dynamics	3
MATH 2010 Matrix Algebra	3	ME 2910 Prof. & Ethics	1
MATH 2120 Diff. Equations	3	ME 3010 Materials	3
PHYS 2120 Physics	4	ECE 2850 Principles of Electric Circuits	3
ENGL 2130, 2230, or 2330 Lit.	3	MATH 2110 Calculus III	4
		COMM 2025 or PC 2500 Communication	3
Course	Cr. Hrs.	Course	Cr. Hrs.
JUNIOR YEAR			
Semester: Fall Total Credit Hours: 15		Semester: Spring Total Credit Hours: 16	
ME 3001 ME Analysis	3	ME 3050 DMC	3
ME 3023 Measurements	3	ME 3060 DMC Lab	1
ME 3210 Thermo I	3	ME 3220 Thermodynamics II	3
ME 3720 Fluid Mechanics	3	ME 3610 ME Dynamics of Mach	3
CEE 3110 Mech of Materials	3	ME 3710 Heat Transfer	3
		ME 4010 Machine Design	3
Course	Cr. Hrs.	Course	Cr. Hrs.
SENIOR YEAR			
Semester: Fall Total Credit Hours: 15		Semester: Spring Total Credit Hours: 17	
ME 4414 Senior Design I	3	ME 4424 Senior Design II	3
ME 4020 Applied Mac Design or ME 4720 Thermal Design	3	ME 4751 Energy Sys Lab	2
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
Social Behavior Sc. Elective	3	Area of Emphasis Course 1	3
		Social Behavior Sc. Elective	3