



**Degree Map**

**CATALOG YEAR: 2023-2024**

**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.
<b>FIRST YEAR</b>			
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.
<b>SOPHOMORE YEAR</b>			
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.
<b>JUNIOR YEAR</b>			
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.
<b>SENIOR YEAR</b>			
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