



Degree Map

CATALOG YEAR: 2021-2022

Degree: BSME

MAJOR: Mechanical Engineering

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	
ENGL 1010 Writing	3	ENGL 1020 Writing II	3
Humanities/Fine Arts Elective 1	3	Humanities/Fine Arts Elective 2	3
MATH 1910 Calculus 1	4	MATH 1920 Calculus II	4
CHEM 1110 Gen Chemistry	4	PHYS 2110 Physics I	4
ENGR 1110 Graphics	2	ENGR 1120 Programming	2
Course	Cr. Hrs.	Course	Cr. Hrs.
SOPHOMORE YEAR			
Semester: Fall Total Credit Hours: 17		Semester: Spring Total Credit Hours: 16	
ENGL 2130, 2230, or 2330 Lit.	3	COMM 2025 or PC 2500 Communication	3
MATH 2120 Diff. Equations	3	MATH 2110 Calculus III	4
MATH 2010 Matrix Algebra	3	ECE 2850 Principles of Electric Circuits	3
PHYS 2120 Physics	4	ME 3010 Materials	3
CEE 2110 Statics	3	ME 2330 Dynamics	3
ME 2910 Prof. & Ethics	1		
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 3610 ME Dynamics of Mach	3
ME 3023 Measurements	3	ME 3050 DMC	3
ME 3210 Thermo I	3	ME 3060 DMC Lab	1
ME 3720 Fluid Mechanics	3	ME 3220 Thermodynamics II	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	
Social Behavior Sc. Elective 1	3	Social Behavior Sc. Elective 2	3
ME 4410 Senior Design I	3	ME 4420 Senior Design II	3
ME 4020 Applied Mac Design or ME 4720 Thermal Design	3	Area of Emphasis Course 3	3
Area of Emphasis Course 1	3	Area of Emphasis Course 4	3
Area of Emphasis Course 2	3	Area of Emphasis Course 5	3
		ME 4751 Energy Sys Lab	2