



Degree Map

CATALOG YEAR: 2026-2027

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 I | 4 | MATH 1920 Calculus II | 4 |
| CHEM 1110 Gen Chemistry I | 4 | PHYS 2110 Physics I | 4 |
| ENGL 1010 English Composition I | 3 | ENGL 1020 English Composition II | 3 |
| Humanities & Cultural Expression Elective | 3 | Financial Literacy or Digital Literacy Elective (FIN 2000, CSC2220, or CSC 2570) | 3 |
| Course | Cr. Hrs. | Course | Cr. Hrs. |
| SECOND YEAR | | | |
| Semester: Fall Total Credit Hours: 17 | | Semester: Spring Total Credit Hours: 17 | |
| CEE 2110 Statics | 3 | ME 2330 Dynamics | 3 |
| MATH 2010 Intro to Linear 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 I | 4 |
| ENGL 2130, 2235, or 2330 Lit. | 3 | MATH 2110 Calculus III | 4 |
| ME 2910 Prof. & Ethics | 1 | | |
| Course | Cr. Hrs. | Course | Cr. Hrs. |
| THIRD 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 & Processes | 3 | ME 3610 Dynamics of Machinery | 3 |
| ME 3720 Fluid Mechanics | 3 | ME 3710 Heat Transfer | 3 |
| CEE 3110 Mechanics of Materials | 3 | ME 3020 Machine Design | 3 |
| Course | Cr. Hrs. | Course | Cr. Hrs. |
| FOURTH YEAR | | | |
| Semester: Fall Total Credit Hours: 15 | | Semester: Spring Total Credit Hours: 15 | |
| ME 4414 Senior Design I - Aero | 3 | ME 4424 Senior Design II - Aero | 3 |
| ME 4020 Applied Machine Design or ME 4720 Thermal Design | 3 | Aero Core -ME 4710 Propulsion or ME 4310 Gas Dynamics or ME 4510 Aerodynamics | 3 |
| Aero Core - ME 4710 Propulsion or ME 4310 Gas Dynamics or ME 4510 Aerodynamics | 3 | Aero Elective - 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 |
| Aero Elective - 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 | Mechanical Engineering Elective | 3 |
| Social & Behavior Science Elective | 3 | Social & Behavior Science Elective | 3 |