Degree Map 
CATALOG YEAR: 2023-2024 Degree: BSME MAJOR: Mechanical Engineering 
Concentration: Vehicle 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 
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: 17 Semester: Spring Total Credit Hours: 16 
ME 2910 Prof. & Ethics 1 ME 2330 Dynamics 3 
CEE 2110 Statics 3 ME 3010 Materials 3 
MATH 2010 Matrix Algebra 3 ECE 2850 Principles of Electric Circuits 3 
MATH 2120 Diff. Equations 3 MATH 2110 Calculus III 4 
PHYS 2120 Physics II 4 COMM 2025 or PC 2500 Communication 3 
ENGL 2130, 2230, or 2330 Lit. 3 
Course Cr. Hrs.