



Suggested Four-Year Degree Plan MECHANICAL ENGINEERING

Bachelor of Science
124 Credit Hours

FIRST YEAR (33 Hours)

Fall Semester (15 Hours)	Hours
UNIV 1001 Intro to University Life	1
ENGL 1113 English Composition I	3
PS 1113 American Federal Government	3
ENGR 1411 Introduction to Engineering (FA)	1
ENGR 1412 Engineering Design (FA)	2
MATH 2215 Calculus and Analytic Geometry I	5

Spring Semester (18 Hours)	Hours
CHEM 1364/1361 General Chemistry I/Lab	5
MATH 2235 Calculus and Analytic Geometry II	5
PHYS 2015/L Physics I/Lab for Sci/Engr Majors	5
ENGR 2113 Statics (SP)	3

SECOND YEAR (35 Hours)

Fall Semester (18 Hours)	Hours
ENGL 1213 English Composition II	3
ENGR 2213 Thermodynamics (FA)	3
ENGR 3223 Fluid Mechanics (FA)	3
MATH 2244 Calculus and Analytic Geometry III	4
PHYS 2025/L Physics II/Lab for Sci/Engr Majors	5

Spring Semester (17 Hours)	Hours
ENGR 2002 Professional Dev in Engineering (SP)	2
ENGR 2533 Dynamics (SP)	3
ENGR 3173 Heat Transfer	3
ENGR 3122 Heat Transfer & Fluid Mech lab	2
MATH 3253 Differential Equations	3
PHYS 3003/3011 Modern Physics/Lab	4

THIRD YEAR (29 Hours)

Fall Semester (14 Hours)	Hours
COMM 1113 Principles of Communication	3
HIST 1483/1493 U.S. History to/since 1865	3
General Education Humanities	3
ENGR 3112 Solids Lab (FA)	2
ENGR 3153 Solid Mechanics (FA)	3

Spring Semester (15 Hours)	Hours
General Education Humanities	3
PSY 1113 General Psychology	3
ENGR 2723 Electrical Circuits (SP)	3
ENGR 3513 Engineering Applications (SP)	3
MATH 3343 Numerical Methods	3

FOURTH YEAR (27 Hours)

Fall Semester (15 Hours)	Hours
GEOG 3023 Economic Geography	3
ENGR 3013 Engineering Analysis & Methods (FA)	3
MENG 3113/L Measurement & Instrument/Lab	3
MENG 4193 Computational Fluid Dynamics	3
Upper Division ENGR or PHYS Electives	3

Spring Semester (12 Hours)	Hours
General Education Biological Science	3
General Education Health and Wellness	3
MENG 3523 Thermal Fluid Design	3
MENG 4903 Capstone	3

^MDenotes Minimum Grade Needed

^RDenotes Restriction to Students Admitted to Educator Preparation Program

^IDenotes Critical Course

Bolded courses indicate guaranteed course rotation for major core: (FA=Fall; SP=Spring; SU=Summer; O=Odd Year; E=Even Year).

This is a recommended plan of study for this major. Students should meet with an advisor to discuss individual needs. Course offerings are subject to change based on enrollment. Requirements designated as critical (!) must be completed in the semester listed to ensure timely graduation.

Graduation Requirements Summary

Minimum Total Hours for Graduation	124	Minimum Liberal Arts Hours	55
Minimum Upper-Division Hours	40	Minimum Major GPA	2.000
Minimum Gen Ed Hours	40	Minimum Overall GPA	2.000