Department of Mechanical Engineering – Course Map

**FS**: AW, OC  
**DS**: HS, HS, HU, HU, SP  
**IS*, IS*  
**UP*, UP*/CC*  

(*Some classes can fulfill multiple requirements)

Arrows indicate primary prerequisite path but for clarity, some are not shown.

**CHEM 135**  
**OR**  
**CHEM 134**  
General Chemistry

ENES 100  
Introduction to Engineering Design

MATH 141  
Calculus II

PHYS 161  
Mechanics II

ENES 102  
Mechanics I

MATH 140  
Calculus I

Physics: Mechanics and Particle Dynamics

ENES 220  
Introduction to CAD

PHYS 260/261  
General Physics: Vibration, Waves, Heat, E&M

MATH 206  
Calculus III

ENES 221  
Dynamics

MATH 241  
Calculus III

ENES 242  
Thermodynamics

MATH 246  
Differential Equations

ENME 350  
Electronics & Instrumentation I

ENME 272  
Introduction to CAD

ENME 351  
Electronics & Instrumentation II

ENME 270/271  
General Physics: Electrodynamics, Light, Relativity & Modern Physics

ENME 361  
Vibrations, Controls and Optimization I

ENME 382  
Introduction to Engineering Materials

ENME 371  
Product Engineering and Manufacturing

ENME 392  
Statistical Methods for Product and Processes Development

ENME 331  
Fluid Mechanics

ENME 400  
Machine Design

ENME 332  
Transfer Processes

ENME 472  
Integrated Product and Process Development

ENME 331  
Fluid Mechanics

ENGL 393  
Technical Writing

ENME 400  
Machine Design

ENME 371  
Product Engineering and Manufacturing

ENME 392  
Statistical Methods for Product and Processes Development

ENME 400  
Machine Design

ENME 371  
Product Engineering and Manufacturing

ENME 392  
Statistical Methods for Product and Processes Development

ENME 400  
Machine Design

ENME 371  
Product Engineering and Manufacturing

ENME 392  
Statistical Methods for Product and Processes Development

ENME 400  
Machine Design

ENME 371  
Product Engineering and Manufacturing

ENME 392  
Statistical Methods for Product and Processes Development

ENME 400  
Machine Design

ENME 371  
Product Engineering and Manufacturing

ENME 392  
Statistical Methods for Product and Processes Development

ENME 400  
Machine Design

ENME 371  
Product Engineering and Manufacturing

ENME 392  
Statistical Methods for Product and Processes Development

ENME 400  
Machine Design

ENME 371  
Product Engineering and Manufacturing

ENME 400  
Machine Design

ENME 371  
Product Engineering and Manufacturing

ENME 400  
Machine Design

ENME 371  
Product Engineering and Manufacturing

ENME 462  
Vibrations, Controls and Optimization II

ENME 4XX  
Electronics & Instrumentation II

ENME 4XX  
Electronics & Instrumentation II

ENME 4XX  
Electronics & Instrumentation II

ENME 4XX  
Electronics & Instrumentation II

ENME 4XX  
Electronics & Instrumentation II

ENME 4XX  
Electronics & Instrumentation II

**CHEM 134**  
General Chemistry

**Must have credit for CHEM 131 to take CHEM 134**

(Note: You are allowed, if you wish, to take up to two electives outside of your major. These may be 300 or 400 level courses in MATH, PHYS, COMP-SCIENCE, CHEM, BMGT or ENGINEERING.)

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