Department of Mechanical Engineering – Freshmen (who started before Fall 2012) and Sophomores who have NOT taken MATH241 by Fall 2012.

Course Map

(Note: You are allowed, if you wish, to take up to two electives outside of your major. These may be any 300 or 400 level courses in MATH, PHYS, COMP-SCIENCE, CHEM, BMGT or ENGINEERING. If you take an elective outside of your major, it will also count as one of your advanced studies upper core.) Arrows indicate primary prerequisite path but for clarity, some are not shown.

- **CHEM 135** General Chemistry
- **MATH 141** Calculus II
- **MATH 140** Calculus I
- **PHYS 161** Mechanics II
- **ENES 102** Mechanics I
- **ENES 100** Introduction to Engineering Design
- **MATH 241** Calculus III
- **MATH 206** Introduction to Matlab
- **PHYS 270/271** General Physics: Electrodynamics, Light, Relativity & Modern Physics
- **ENME 382** Introduction to Engineering Materials
- **ENME 350** Electronics & Instrumentation I
- **ENME 351** Electronics & Instrumentation II
- **ENME 361** Vibrations, Controls and Optimization I
- **ENME 272** Introduction to CAD
- **ENME 221** Dynamics
- **ENME 232** Thermodynamics
- **ENME 331** Fluid Mechanics
- **ENME 332** Transfer Processes
- **ENME 392** Statistical Methods for Product and Processes Development
- **ENME 391** Product Engineering and Manufacturing
- **ENME 371** Statistical Methods for Product and Processes Development
- **ENME 220** Mechanics II
- **ENME 201** Careers in Mechanical Engineering
- **ENGL 393** Technical Writing
- **ENME 200** Introduction to Matlab

*only one IE course allowed*