Please Note: Graduation Clearance requires a 2.00 University Cum and a 2.00 MAJOR Cum.
ME Major Flowchart Notes:

STUDENT NOTE: The flowchart is not the official student record. It should be used in conjunction with your university transcript. Consult the undergraduate catalog for more detailed explanations of department, college, and university graduation requirements.

Notes: 1. **College Writing Requirement:** ENGLWP 112 and ENGL 351 are required.
2. **Social World Requirement:** 6 COURSES (one from each group)
   - AL/ALD
   - HS/HSD or AL/ALD or AT/ATD or SB/SBD or I/ID
   - SB/SBD
   - AL/ALD or AT/ATD or I/ID
   - HS/HSD
   - SB/SBD or I/ID
   Two of the six Social World courses must have the Social and Cultural Diversity designation (ALD, ATD, HSD, SBD, ID).
3. **Biological Science Requirement:** Any course having the Biological Science (BS) designation.
4. **Technical Electives** must be MIE courses at or above the 300 level. These are listed below. Of the four Technical Electives, one must have a Senior Design (SD) designation, and two must have an Engineering Science and Design (ESD) designation. SD courses can be used to satisfy an ESD requirement. Typically technical electives are offered in only one semester and some are not offered every year. Check your registration guide to see which courses are offered this year. If you are interested in using another MIE course as a technical elective see Professor Rinderle.

**SENIOR DESIGN ELECTIVES**
- MIE 415 Design Of Mech Systems
- MIE 497A Design Against Failure

**ENGINEERING SCIENCE AND DESIGN ELECTIVES**
- MIE 373 Intro Simulation Methods
- MIE 379 Operations Research I
- MIE 411 Strength of Materials II
- MIE 414 Design Model & Analysis
- MIE 418 Design of Mechanisms
- MIE 422 Statistical Quality Control
- MIE 440 Fluid Mechanics II
- MIE 477 Production Planning & Control
- MIE 485 Vibrations
- MIE 548 FEA – Introduction
- MIE 562 Power System Design
- MIE 570 Solar & Dir. Energy Conv.
- MIE 573 Engin. Windpower Systems
- MIE 574 Adv. Energy Conservation
- MIE 577 Manufacturing Processes Lab
- MIE 581 Machining & Mechanical Tools
- MIE 584 Numer Control & Robotics
- MIE 597b Mechanical Behavior Of Polymers
- MIE 597f CAD/CAM
- MIE 597g High Tech Ceramics
- MIE 597i Injection Molding
- MIE 597m Customizing CAD Systems
- MIE 601 Thermodynamics
- MIE 605 Finite Element Analysis
- MIE 607 Advanced Fluid Mechanics
- MIE 608 Physical Metallurgy
- MIE 609 Mech Properties of Materials
- MIE 610 Mechanical Metallurgy
- MIE 640 Advanced Dynamics
- MIE 643 Mechatronic Systems Design
- MIE 644 Applied Data Analysis
- MIE 680 Advanced Metal Forming Processing
- MIE 697b S.T.-Adv. Mechanical Behavior Of Polymers
- MIE 697d S.T.-Advanced Ceramics
- MIE 697f Modern Control Syntheses
- MIE 685 Computer Control In Mfg.

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