**Bachelor of Science in Mechanical Engineering (BSME) Flowchart** (Fall 2013, 132 credit hours)

**FRESHMAN**
- CHM 1213: University Chemistry 1
- CHM 1221: Univ. Chemistry 1 Laboratory
- EME 1011: Foundations of Mechanical Eng.
- MCS 1414: Calculus 1
- SSC 2303: Principles of Economics
- COM 1103: English Composition
- COM 1001: University Seminar
- LLT 1213: World Masterpieces 1
- COM 2103: Tech. & Prof. Communication

**SOPHOMORE**
- CHM 1213: University Chemistry 1
- CHM 1221: Univ. Chemistry 1 Laboratory
- EME 2012: Mechanical Eng. Graphics
- EME 1012: Foundations of Mechanical Eng.
- MCS 1424: Calculus 2
- SSC 2013: Engineering Material I
- EME 2101: Manufacturing Processes
- EME 2011: Found. of Eng. Projects
- LTT 1223: World Masterpieces 2
- COM 2103: Tech. & Prof. Communication

**JUNIOR**
- CHM 1213: University Chemistry 1
- CHM 1221: Univ. Chemistry 1 Laboratory
- EME 3012: Engineering Materials
- EME 3012: Engineering Cost Analysis
- EME 3013: Design of Mach Elements
- EME 3014: Mechanics of Materials
- EME 3015: Linear Algebra
- EME 3016: Writing Proficiency Exam
- EME 3017: Mechanical Laboratory
- EME 3018: Modern Design of Mach Elements
- EME 3019: Senior Project Fundamentals

**SENIOR**
- CHM 1213: University Chemistry 1
- CHM 1221: Univ. Chemistry 1 Laboratory
- EME 4001: Engineering Projects 1
- EME 4002: Mechanics Laboratory
- EME 4003: Mechanical Laboratory
- EME 4004: Technical Elective
- EME 4005: Technical Elective
- EME 4006: Technical Elective
- LDR 3000: Leadership Seminar
- LDR 4000: Leadership Capstone
- LTT/SSC/PSY: Jr/Sr Hum. Elec.
- EME 4252: Sr. Capstone Project
- EME 4253: Sr. Capstone Project
- EME 4412: Thermal Science Lab

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**Legend**

1. **1** Prerequisite (course 1 must be taken before course 2)
2. **2** Corequisite (courses 1 and 2 must be taken concurrently)
3. **3** Courses 1 and 2 may be taken concurrently or course 1 may be taken first before taking course 2

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**Classification** | **Credit Hrs**
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Freshman | 0-29
Sophomore | 30-59
Junior | 60-89
Senior | 90+

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C. Riedel
5-7-2013

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A list of approved elective courses and concentration areas is available at the Mechanical Engineering Dept. (room E29) or at the Mechanical Engineering Students - Undergraduate Blackboard site.

Take exam when 60-80 credit hours have been completed.

Take during or after Senior Project Sequence.

Check Bannerweb to ensure that all course prerequisites, in addition to COM 3000, are satisfied.