Bachelor of Science in Mechanical Engineering (BSME) with Entrepreneurial Skills Certificate Flowchart (Fall 2017, 132 credit hours)

**Freshman**
- EME 2012: Mechanical Eng. Graphics
- CHM 1213: University Chemistry 1
- EGE 1001: Engineering Materials I
- MCS 1414: Calculus 1
- COM 1103: College Composition
- LLT 1213: World Masterpieces 1
- MCS 1074: Precalculus

**Sophomore**
- PHY 2413: University Physics 1
- PHY 2421: Univ. Physics 1 Laboratory
- EGE 1023: Statics
- MCS 2414: Calculus 2
- COM 2103: Tech. & Prof. Communication
- LLT 1223: World Masterpieces 2
- SSC 2423: Development of American Exper.

**Junior**
- EME 2011: Materials Laboratory
- EME 2233: Entrepreneurial Mindset for Eng.
- EME 2423: Differential Equations
- COM 3000: Writing Proficiency Exam
- EGE 3003: Thermodynamics
- EME 3003: Thermodynamics
- EME 3112: Introduction to Projects
- EME 3123: Fluid Mechanics
- EME 3022: Engineering Cost Analysis

**Senior**
- EME 4013: Fluid Transfer
- EME 4402: Mechanics Laboratory
- EME 4441: Thermal Science Lab
- EME 4212: Competition Projects 1
- EME 4311: Competition Projects 2
- EME 4312: Indus. Sponsored Projects A
- EME 4321: Indus. Sponsored Projects B
- EGE 3412: Entrepreneurial Elective
- EME 3121: Entrepreneurial Elective
- EME 4/5xx3: Technical Elective
- EME 4/5xx3: Technical Elective

**Legend**
- 1: Prerequisite (course 1 must be taken before course 2)
- 2: Courses 1 and 2 may be taken concurrently or course 1 may be taken first before taking course 2

**Classification**
- Freshman: 0-29
- Sophomore: 30-59
- Junior: 60-89
- Senior: 90+

**Notes**
- All graduating seniors must submit a Petition to Graduate form which is available at the One Stop Center. Form must be submitted at least one semester prior to the semester in which the student plans to graduate. Official petition deadlines can be found at the Registrar Office webpage.
- Freshman/Sophomore general education requirements (COM, LLT and SSC courses) must be completed before Junior year (60 credit hours) or you will be placed on probation.
- 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 after completing 3 of the following courses: LTT 1213, LTT 1223, SSC 2413, SSC 2423
- Check Bannerweb to ensure that all course prerequisites, in addition to COM 3000, are satisfied.

* C. Riedel
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