Bachelor of Science in Industrial Operations Engineering (BSIOE) Flowchart (Fall 2013, 132 credit hours)

**FRESHMAN**

- CHM 1213 University Chemistry 1
- CHM 1221 Univ. Chemistry 1 Laboratory
- EGE 1023 Engineering Materials
- EME 1011 Foundations of Mechanical Eng.
- MCS 1414 Calculus 1
- SSC 2303 Principles of Economics
- COM 1103 English Composition
- LLT 1213 World Masterpieces 1
- COM 1001 University Seminar

**SOPHOMORE**

- CHM 1213 University Chemistry 1
- EGE 1023 Engineering Materials
- PHY 2421 Univ. Physics 1 Laboratory
- MCS 1414 Calculus 2
- MCS 2414 Calculus 3
- EGE 1023 Engineering Materials
- EME 1011 Foundations of Mechanical Eng.
- LLT 1213 World Masterpieces 2
- COM 2103 Tech. & Prof. Communication
- SSC 2413 Foundations of American Exp.

**JUNIOR**

- EGE 1023 Engineering Materials
- PHY 2423 University Physics 2
- PHY 2431 Univ. Physics 2 Laboratory
- MCS 2423 Differential Equations
- EME 2011 Materials Laboratory
- IOE 2012 Engineering Graphics
- IOE 3032 Industrial Mfg. Processes
- SSC 2423 Development of American Exp.
- LDR 2001 Leadership Models & Prac.

**SENIOR**

- CHM 1213 University Chemistry 1
- PHY 2423 University Physics 2
- PHY 2431 Univ. Physics 2 Laboratory
- EME 3003 Thermodynamics
- EGE 2013 World Masterpieces 1
- EME 3014 Mechanical of Materials
- MCS 2414 Calculus 3
- IOE 2012 Engineering Graphics
- EME 3032 Industrial Mfg. Processes
- COM 2103 Tech. & Prof. Communication
- LDR 3000 Leadership Seminar
- LDR 4000 Leadership Capstone

**Senior Project Sequence**

- Competition Projects: IOE 3011, IOE 4212, IOE 4222
- Noncompetition Projects: EME 4252, EME 4253

**Legend**

1. **Prerequisite (course 1 must be taken before course 2)**
2. **Corequisite (courses 1 and 2 must be taken concurrently)**
3. **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+

**Credit Hrs**

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

**C. Riedel**

- 5-7-2013

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1. 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. Check deadlines for petitioning to graduate at the Registrar Office webpage.

2. 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.

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* A list of approved elective courses is available at the Mechanical Engineering Dept. (room E29).

* 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.