Bachelor of Science in Industrial Engineering (BSIE) Flowchart (Fall 2020, 131 credit hours)

**FRESHMAN**

- CHM 1213 University Chemistry 1
- CHM 1221 University Chemistry 1 Laboratory
- COM 1103 College Composition
- EIE 2653 Industrial Engineering Finance
- EIE 4252 Senior Project Fundamentals
- EIE 4253 Sr. Capstone Project

**SOPHOMORE**

- PHY 2413 University Physics 1
- PHY 2421 Univ. Physics 1 Laboratory
- CHM 1221 University Chemistry 1 Laboratory
- EIE 1011 Fundamentals of Industrial Engg.
- EIE 2012 Engineering Graphics
- EIE 3003 Thermodynamics
- EIE 4453 Applied Operations Research

**JUNIOR**

- PHY 2423 University Physics 2
- PHY 2431 Univ. Physics 2 Laboratory
- EGE 2103 Statics
- EIE 3033 Eng. Numerical Methods
- EIE 3753 Simulation in System Design

**SENIOR**

- EIE 2023 Engineering Materials
- EGE 1023 Engineering Materials
- EIE 3023 Industrial Mfg. Processes
- EIE 3043 Production, Planning & Control
- EIE 3353 Operations Research Techniques
- EIE 4553 Occupational Ergonomics

Legend:

1 — 2 Prerequisite (course 1 must be taken before course 2)
1 — — 2 Courses 1 and 2 may be taken concurrently or course 1 may be taken first before taking course 2

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

* See list of approved elective courses and their associated GPA requirements at the Mechanical Engineering Dept., room E29, or at the Mechanical Engineering Students Undergraduate Canvas site.
♦ Check Bannerweb to ensure that all course prerequisites are satisfied.

# 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.