Bachelor of Science in Industrial and Systems Engineering (Standard Option B524)
Summer 2022 through Spring 2023 – Total Credit Hours: 127

This flowchart is not an official check sheet of degree requirements. It is meant to be used as a supplemental visual guide to be used along with the official University of Oklahoma degree check sheet.

**FRESHMEN**
- **Fall** (16 Hours)
  - MATH 1914 Calculus I
  - CHEM 1315 General Chemistry (Prereq: MATH 1503)
  - ENGL 1113 English Composition
  - UCOL 1523/1533/1543 First-Year Experience
  - ENGR 1411 or 3511 Freshman/Transfer Engineering Experience

- **Spring** (14 Hours)
  - MATH 2924 Calculus II

**SOPHOMORES**
- **Fall** (19 Hours)
  - MATH 2934 Calculus III (or MATH 2423)
  - PHYS 2524 Gen. Physics for Engr & Science Majors
  - ENGL 1213 or EXPO 1213 English Comp or Expository Writing
  - CEES 2113 Statics

- **Spring** (16 Hours)
  - ISE 2311 Computer-Aided Design and Graphics Lab
  - ISE 2303 Design and Manufacturing Processes
  - ISE 2823 Enterprise Engineering (Prereq: Soph standing)

**JUNIORS**
- **Fall** (16 Hours)
  - ISE 3293 Applied Engr. Statistics (Prereq: MATH 2924/2433)
  - ISE 4553 Data-Driven Decision Making I
  - 3-hr MATH Elective

- **Spring** (15 Hours)
  - ISE 3304 Design and Manufacturing II
  - ISE 4113 Spreadsheet-Based Decision Support Systems
  - ISE 4623 Deterministic Systems Models (Additional Prereq: ISE 3293)

**SENIORS**
- **Fall** (16 Hours)
  - ISE 4233 Fundamentals of Engr Economy (Prereq: MATH 2924/2423)
  - ISE 4563 Quality and Reliability Engr. (Additional Prereq: ISE 3293)

- **Spring** (15 Hours)
  - ISE 4633 Probabilistic Systems Models (Additional Prereq: ISE 3293)
  - ISE 4804 Ergonomics in System Design (Prereq: Jr. standing)

- **3-hour ISE Elective**
  - Any 4000-5000 level ISE course

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- At least one of these Gen. Ed. courses must be 3000-4000 level.
- Foreign Language: 2 semesters college level or 2 years of high school.
- CS placement survey must be taken. Link in classnav.ou.edu course description.
- Co-requisite.
- Prerequisite
- Shaded courses offered once per year.
- HS History Deficiency