Bachelor of Science in Industrial and Systems Engineering (Analytics Option B529)
Summer 2023 through Spring 2024 – Total Credit Hours: 135

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.

**FRESHMAN**
- Fall 16 Hours
  - MATH 1914 Calculus I
  - CHEM 1315 General Chemistry
  - ENGL 1113 English Composition
  - CAS 1523/1533/1543 First-year Experience (Core V)
  - ENGR 1411 / 1421 / 3511 Pathways to Engineering Thinking

**SOPHOMORE**
- Spring 17 Hours
  - PHYS 2514 General Physics for Engr & Science Majors
  - PHYS 2524 Gen. Phys for Engr & Science Majors
  - ENGL 1213 or EXPO 1213 English Comp or Expository Writing

- Fall 18 Hours
  - MATH 2924 Calculus II
  - PHYS 2524 Calculus III
  - MATH 2934 Calculus III
  - ENGR 2461 Thermodynamics

- Spring 16 Hours
  - ISE 2311 Computer-Aided Design and Graphics Lab
  - ISE 2303 Design and Manufacturing Processes

**JUNIOR**
- Fall 19 Hours
  - ISE 3293 Applied Engr. Statistics
  - ISE 3211 Computer-Aided Design and Graphics Lab

- Spring 18 Hours
  - ISE 3304 Design and Manufacturing II
  - PSC 1113 American Federal Government

**SENIOR**
- Fall 16 Hours
  - ISE 4113 Spreadsheet-Based Decision Support Systems
  - ISE 4113 Spreadsheet-Based Decision Support Systems

- Spring 15 Hours
  - ISE 4383 Systems Analysis Using Simulation

- Fall 16 Hours
  - ISE 4333 Productions Systems & Ops

- Spring 15 Hours
  - ISE 4853 Data-Driven Decision Making II

- Fall 16 Hours
  - ISE 4853 Data-Driven Decision Making II

- Spring 15 Hours
  - ISE 4853 Data-Driven Decision Making II

- Fall 16 Hours
  - ISE 4333 Productions Systems & Ops

- Spring 15 Hours
  - ISE 4663 Systems Analysis Using Simulation

- Fall 16 Hours
  - ISE 4113 Spreadsheet-Based Decision Support Systems

- Spring 15 Hours
  - ISE 4853 Data-Driven Decision Making II

- Fall 16 Hours
  - ISE 4113 Spreadsheet-Based Decision Support Systems

- Spring 15 Hours
  - ISE 4853 Data-Driven Decision Making II

**Approved Elective Artistic Forms**

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

- Approved Elective Social Science

- Approved Elective World Culture

- Approved Elective Western Culture

- 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