Bachelor of Science in Industrial and Systems Engineering (Analytics BS29)
Summer 2016 through Spring 2017 – Total Credit Hours: 131

FRESHMAN

Fall 16 hours
- ENGL 1113 Principles of English Composition
- ENGL 1213 or ENPO 1223 English Comp. or Exploratory Writing
- MATH 1914 Calculus I
- MATH 2924 Calculus II
- PHYS 2514 General Physics for Engr and Science Majors
- CS 1323 or 1313 Intro to Comp Prog or Programming for Non-Majors
- ENGR 1411 Freshman Engineering Experience
- CHEM 1315 General Chemistry

Spring 17 hours
- PHIL 1483 or 1493 US 1492-1865 or US 1865-present
- HIST 1483 or 1493 US 1492-1865 or US 1865-present
- PHYS 2524 General Physics for Engr and Science Majors
- CS 2334 Programming Structures and Abstractions
- MATH 2934 Calculus III
- ISE 2823 Enterprise Engineering
- ISE 3293 Applied Engineering Statistics
- ISE 4113 Spreadsheet-Based Decision Support Systems

SOPHOMORE

Fall 16 hours
- MATH 2513 Discrete Mathematical Structures
- ISE 2823 Enterprise Engineering
- MATH 2934 Calculus III
- PHYS 2524 General Physics for Engr and Science Majors
- CS 2334 Programming Structures and Abstractions
- ISE 3293 Applied Engineering Statistics
- ISE 4113 Spreadsheet-Based Decision Support Systems
- ISE 4293 Design and Manufacturing Processes

Spring 16 hours
- ISE 3293 Applied Engineering Statistics
- ISE 4113 Spreadsheet-Based Decision Support Systems
- ISE 3293 Applied Engineering Statistics
- ISE 4113 Spreadsheet-Based Decision Support Systems
- ISE 4293 Design and Manufacturing Processes
- ISE 4553 Data-Driven Decision Making I

JUNIOR

Fall 15 hours
- ISE 3304 Design and Manufacturing II
- ISE 4223 Fundamentals of Engineering Economy
- ISE 4433 Quality and Reliability Engineering
- ISE 4438 Systems Evaluation
- ISE 4563 Probabilistic Systems Models
- ISE 4904 Ergonomics in System Design
- ISE 4563 Probabilistic Systems Models
- ISE 4623 Deterministic Systems Models
- ISE 4763 Systems Analysis Using Simulation
- ISE 4904 Ergonomics in System Design
- ISE 4904 Ergonomics in System Design
- ISE 4904 Ergonomics in System Design
- ISE 4904 Ergonomics in System Design

Spring 18 hours
- ISE 4223 Fundamentals of Engineering Economy
- ISE 4223 Fundamentals of Engineering Economy
- ISE 4563 Probabilistic Systems Models
- ISE 4563 Probabilistic Systems Models
- ISE 4563 Probabilistic Systems Models
- ISE 4623 Deterministic Systems Models
- ISE 4904 Ergonomics in System Design
- ISE 4563 Probabilistic Systems Models
- ISE 4563 Probabilistic Systems Models
- ISE 4563 Probabilistic Systems Models

SENIOR

Fall 16 hours
- ISE 4223 Fundamentals of Engineering Economy
- ISE 4223 Fundamentals of Engineering Economy
- ISE 4563 Probabilistic Systems Models
- ISE 4563 Probabilistic Systems Models
- ISE 4563 Probabilistic Systems Models
- ISE 4623 Deterministic Systems Models
- ISE 4904 Ergonomics in System Design
- ISE 4563 Probabilistic Systems Models
- ISE 4563 Probabilistic Systems Models
- ISE 4563 Probabilistic Systems Models

Spring 15 hours
- ISE 4223 Fundamentals of Engineering Economy
- ISE 4223 Fundamentals of Engineering Economy
- ISE 4563 Probabilistic Systems Models
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- ISE 4563 Probabilistic Systems Models
- ISE 4623 Deterministic Systems Models
- ISE 4904 Ergonomics in System Design
- ISE 4563 Probabilistic Systems Models
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- ISE 4563 Probabilistic Systems Models

Key
1. Sophomore standing
2. Junior standing
3. Senior standing
4. Graduate standing
5. Instructor Permission
6. Concurrent Enrollment Required

Shaded courses are only offered once a year.
◊ Must have completed all ISE courses scheduled in prior semesters.
* At least one of these Gen/Ed courses must be 3000-4000 level

Important Notes
- 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.
- Foreign Language: 2 semesters college level or 2 years of high school.

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