Bachelor of Science in Industrial and Systems Engineering (Analytics – B529)
Summer 2014 through Spring 2015 – Total Credit Hours: 131

FRESHMAN
- Fall 16 Hours
  - MATH 1914 Differential & Integral Calculus I
  - CHEM 1315 General Chemistry
  - ENGL 1113 English Composition
  - ENGR 1411 Freshman Engineering Experience
  - CS 1323 Introduction to Computer Programming

- Spring 17 Hours
  - MATH 2924 Differential & Integral Calculus II
  - PHYS 2514 General Physics for Engineering & Science Majors
  - HIST 1483, or HIST 1493
  - ENGL 1213, or EXPO 1213 English or Expo Writing

- Fall 18 Hours
  - MATH 2934 Differential & Integral Calculus III
  - PHYS 2524 General Physics for Engineering & Science Majors
  - ISE 2823 Enterprise Engineering
  - CEES 2113 Statics & Dynamics

- Spring 16 Hours
  - ISE 2823 Enterprise Engineering
  - ISE 2311 CAD & Graphics Lab
  - ISE 4113 Decision Support Systems
  - CS 2413 Data Structures

SOPHOMORE
- Fall 16 Hours
  - ISE 3293 Applied Engineering Statistics
  - MATH 2513 Discrete Mathematical Structures
  - CEES 2153 Mechanics of Materials
  - CS 3202 Software Req. & Spec.

- Spring 17 Hours
  - ISE 4623 Deterministic Systems Models
  - ISE 4113 Decision Support Systems
  - ISE 4223 Fundamentals of Engineering Economy

JUNIOR
- Fall 16 Hours
  - ISE 4553 Data-Driven Decision Making I
  - ENGR 2461 Thermodynamics
  - ENGR 3441 Fluid Mechanics
  - ENGR 4393 Capstone Design Project

- Spring 17 Hours
  - ISE 4633 Quality and Reliability Engineering
  - ISE 4853 Data-Driven Decision Making II
  - ISE 4853 Systems Evaluation

SENIOR
- Fall 16 Hours
  - ENGR 4383 Non-Western Culture (Core IV)
  - ISE 4663 Ergonomics in Systems Design
  - ISE 4833 Production Systems and Operations

- Spring 15 Hours
  - ISE 4383 Non-Western Culture (Core IV)
  - ISE 4223 Fundamentals of Engineering Economy
  - Approval Elective: Western Civ. & Culture (Core IV)

Program Notes:
1. Concurrent Enrollment Required
2. Sophomore Standing
3. Permission of the Instructor
4. Senior Standing
5. Graduate Standing
6. Junior Standing
Shaded courses are only offered once a year. One of the four Approved Electives must be upper-division (3000 – 4000) level.
◊ Must have completed all ISE courses scheduled in prior semesters.
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 http://checksheets.ou.edu/engrindx.htm

Modified: 2014-02-23