Bachelor of Science in Industrial and Systems Engineering (Analytics Option B529)
Summer 2019 through Spring 2020 – Total Credit Hours: 132
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
PSC 1113 American Federal Government
ENGR 1411 / 3511 Freshman / Transfer Engineering Experience

Spring 17 Hours
MATH 2924 Calculus II
PHYS 2514 General Physics for Engr & Science Majors
ENGL 1213 or EXPO 1213 English Comp or Expository Writing
HIST 1483 or 1493 US 1492-1865 or US 1865-present

SOPHOMORE

Fall 18 Hours
MATH 2934 Calculus III
PHYS 2524 Gen. Physics for Engr & Science Majors
CEES 2113 Statics
ISE 2823 Enterprise Engineering
Prereq: Soph standing
MATH 2513 Discrete Math Structures
Prereq: MATH 2924/2423
ISE 2303 Design and Manufacturing Processes
ISE 2311 Computer-Aided Design and Graphics Lab

Spring 16 Hours
ISE 3304 Design and Manufacturing II
ISE 3293 Applied Engr. Statistics
Prereq: MATH 2924/2433
ISE 3113 Spreadsheet-Based Decision Support Systems
ISE 3113 Spreadsheet-Based Decision Support Systems

JUNIOR

Fall 16 Hours
ISE 3004 Design and Manufacturing II
ISE 3304 Design and Manufacturing II
ISE 3293 Applied Engr. Statistics
Prereq: MATH 2924/2433
ISE 3113 Spreadsheet-Based Decision Support Systems
ISE 3113 Spreadsheet-Based Decision Support Systems

Spring 18 Hours
ISE 3304 Design and Manufacturing II
ISE 3304 Design and Manufacturing II
ISE 3304 Design and Manufacturing II
ISE 3113 Spreadsheet-Based Decision Support Systems
ISE 3113 Spreadsheet-Based Decision Support Systems

SENIOR

Fall 16 Hours
ISE 3304 Design and Manufacturing II
ISE 3304 Design and Manufacturing II
ISE 3304 Design and Manufacturing II
ISE 3113 Spreadsheet-Based Decision Support Systems
ISE 3113 Spreadsheet-Based Decision Support Systems

Spring 15 Hours
ISE 4383 Systems Evaluation
ISE 4383 Systems Evaluation
ISE 4383 Systems Evaluation
ISE 3113 Spreadsheet-Based Decision Support Systems
ISE 3113 Spreadsheet-Based Decision Support Systems

3-hour ISE Elective
Any 4000-5000 level ISE course
Approved Elective
Social Science
Approved Elective
Non-Western Culture
Approved Elective
Western Civilization & Culture

Note: Utilize flowcharts as a supplemental guide to OU Official check sheet http://checksheets.ou.edu and regular visits with your WSSC College Advisor
CS placement survey must be taken. Link in classnav.ou.edu course description.

Must earn a B minimum in CS 1321/1323/1324 OR CS 2334 to continue in any remaining CS courses.

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.
Co-requisite.
Prerequisite
Shaded courses offered once per year.