Bachelor of Science in Industrial and Systems Engineering (Standard Option B524)
Summer 2019 through Spring 2020 – Total Credit Hours: 124
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
14 Hours
MATH 2924
Calculus II
PHYS 2514
General Physics for Engr & Science Majors
ENGL 1213 or EXPO 1213
English Comp or Expository Writing

SOPHOMORE
Fall
16 Hours
MATH 2934
Calculus III
PHYS 2524
Gen. Physics for Engr & Science Majors
CEES 2113
Statics
ISE 2823
Enterprise Engineering
Prereq: Soph standing

Spring
16 Hours
ISE 2311
Computer-Aided Design and Graphics Lab
ISE 2303
Design and Manufacturing Processes
ISE 3293
Applied Engr. Statistics
Prereq: MATH 2924/2433

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

Spring
15 Hours
ISE 4633
Probabilistic Systems Models
ISE 3004
Design and Manufacturing II
ISE 4633
Probabilistic Systems Models
ISE 3293
Applied Engr. Statistics
Prereq: MATH 2924/2433

SENIOR
Fall
16 Hours
ISE 4623
Deterministic Systems Models
ISE 4623
Deterministic Systems Models
ISE 3293
Applied Engr. Statistics
Prereq: MATH 2924/2433

Spring
15 Hours
ISE 4333
Productions Systems & Ops
ISE 4333
Productions Systems & Ops
ISE 3293
Applied Engr. Statistics
Prereq: MATH 2924/2433

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

3-hour Technical Elective
Selected from approved list

ISE 4393
Capstone Design Project

3-hour MATH Elective
One of the following:
MATH 2513, 3113, 3333, 3413, 3513, 3613, 4433

Approved Elective
Social Science

Approved Elective
Non-Western Culture

Approved Elective
Western Civilization & 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.
Note: Utilize flowcharts as a supplemental guide to OU Official check sheet http://checksheets.ou.edu and regular visits with your WSSC College Advisor

Co-requisite.
Prerequisite
Shaded courses offered once per year.
HS History Deficiency