Bachelor of Science in Chemical Engineering (Standard Option) B160
Summer 2023 through Spring 2024 – Total Credit Hours: 127

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.

Name: ___________________________ Sooner ID: ___________________________

FRESHMAN
Fall 16 Hours
- MATH 1914 Calculus I
- ENGR 1411/1421/3511 Engineering Thinking
- PHYS 2514 General Physics for Engr & Science Majors
- ENGL 1213 or EXPO 1213 English Comp or Expository Writing
- CHEM 1315 or CHEM 1335 General Chemistry
- CAS 1523 / 1533 / 1543 First-year Experience
- ENGL1113 English Composition

Spring 16 Hours
- MATH 2924 Calculus II
- PHYS 2524 General Physics for Engr & Science Majors
- CHEM 2033 Chemical Engineering Fundamentals
- ENGR 1411/1421/3511 Engineering Thinking
- CHEM 1415 or CHEM 1435 or CHEM 1425 (H) General Chemistry
- CHEM 3064 Organic Chemistry I:

SOPHOMORE
Fall 15 Hours
- MATH 2934 Calculus III
- PHYS 2514 General Physics for Engr & Science Majors
- MATH 3113 Differential Equations
- PREREQ: MATH 2924 or 2423
- CHEM 3423 Physical Chemistry I
- CHEM 3164 Organic Chemistry II:

Spring 16 Hours
- Approved Elective Social Science
- or MATH 2443
- CH E 3113 Momentum, Heat & Mass Transfer I
- MATH 3113 Differential Equations
- PREREQ: MATH 2924 or 2423
- CHEM 3021/3022 Physical Chemistry Lab
- Approved Elective

JUNIOR
Fall 15 Hours
- CH E 3473 Chemical Engineering Thermodynamics
- CH E 3123 Momentum, Heat & Mass Transfer II
- PREREQ: MATH 2924 or 2423
- CH E 2003 Intro. to CH E Computing
- MATH 3113 Differential Equations
- PREREQ: MATH 2924 or 2423
- Approved Elective

Spring 17 Hours
- CH E 3432 Unit Operations
- CH E 3333 Separation Processes
- Approved Elective
- CH E 3473 Chemical Engineering Thermodynamics
- Approved Elective

SENIOR
Fall 16 Hours
- CH E 3113 Momentum, Heat & Mass Transfer I
- MATH 3113
- PREREQ: MATH 2924 or 2423
- Approved Elective
- or MATH 2443
- MATH 3113 Differential Equations
- PREREQ: MATH 2924 or 2423
- CHEM 3021/3022 Physical Chemistry Lab
- Approved Elective

Spring 16 Hours
- Approved Elective
- or MATH 2443
- CH E 3123 Momentum, Heat & Mass Transfer II
- CH E 3333 Separation Processes
- Approved Elective
- or MATH 2443
- CH E 3473 Chemical Engineering Thermodynamics
- Approved Elective

Key and Important Notes
- H = Honors option
- ★ At least one of these Gen. Ed. courses must be 3000-4000 level.
- Fall or Spring ONLY
- Co-requisite
- Prerequisite
- ★ Technical Electives from approved list (one must be CH E course)
- □ Foreign Language: 2 semesters college level or 2 years of high school.
- □ HS History Deficiency