Bachelor of Science in Chemical Engineering (CH E – B160 Standard)
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
- ENGR 1411 or 3511 Freshman / Transfer Engineering Experience
- HIST 1483 or 1493 U.S. History
- CHEM 1315 or CHEM 1335 General Chemistry
- ENGL 1213 or EXPO 1213 English Composition

**Spring** 16 Hours
- MATH 2924 Calculus II
- PHYS 2514 General Physics for Engr & Science Majors
- ENGL 1213 or EXPO 1213 English Composition
- CHEM 1415 or CHEM 1435 or CHEM 1425 (H) General Chemistry

SOPHOMORE

**Fall** 15 Hours
- MATH 2934 Calculus III
- PHYS 2524 General Physics for Engr & Science Majors
- PHYS 2514 General Physics for Engr & Science Majors
- ENGR 2002 Prof. Development
- CHEM 3064 Organic Chemistry I
- CHEM 3164 Organic Chemistry II

**Spring** 16 Hours
- MATH 3113 Differential Equations
- CHEM 3423 Physical Chemistry I
- CHEM 3421 Physical Chemistry Lab
- ENGR 2431 Electrical Circuits I
- Co-requisite
- MATH 2924 or 2423

JUNIOR

**Fall** 15 Hours
- Approved Elective Social Science
- Approved Elective Western Civilization & Culture
- Approved Elective Artistic Forms
- CH E 3473 Chemical Engineering Thermodynamics
- CH E 3432 Unit Operations
- CH E 3113 Momentum, Heat & Mass Transfer I
- CH E 3123 Momentum, Heat & Mass Transfer II
- CH E 3333 Separation Processes
- CH E 4473 Kinetics
- CH E 3113 Momentum, Heat & Mass Transfer I
- CH E 3473 Chemical Engineering Thermodynamics

**Spring** 15 Hours
- Approved Elective Technical Elective I
- Approved Elective Technical Elective II
- CH E 3113 Momentum, Heat & Mass Transfer I
- CH E 3432 Unit Operations
- CH E 3473 Chemical Engineering Thermodynamics
- CH E 3123 Momentum, Heat & Mass Transfer II
- CH E 3333 Separation Processes
- CH E 3473 Chemical Engineering Thermodynamics

**Fall** 16 Hours
- Approved Elective Social Science
- Approved Elective Western Civilization & Culture
- Approved Elective Artistic Forms
- CH E 3113 Momentum, Heat & Mass Transfer I
- CH E 3432 Unit Operations
- CH E 3473 Chemical Engineering Thermodynamics
- CH E 3123 Momentum, Heat & Mass Transfer II
- CH E 3333 Separation Processes
- CH E 4473 Kinetics
- CH E 3113 Momentum, Heat & Mass Transfer I
- CH E 3473 Chemical Engineering Thermodynamics

**Spring** 15 Hours
- Approved Elective Technical Elective I
- Approved Elective Technical Elective II
- CH E 3113 Momentum, Heat & Mass Transfer I
- CH E 3432 Unit Operations
- CH E 3473 Chemical Engineering Thermodynamics
- CH E 3123 Momentum, Heat & Mass Transfer II
- CH E 3333 Separation Processes
- CH E 4473 Kinetics
- CH E 3113 Momentum, Heat & Mass Transfer I
- CH E 3473 Chemical Engineering Thermodynamics

Key and Important Notes

- At least one of these Gen. Ed. courses must be 3000-4000 level.
- Co-requisite
- Prerequisite
- Shaded courses offered once per year.
- Technical Electives from approved list (one must be CH E course)
- Foreign Language: 2 semesters college level or 2 years of high school.

Academic Warning: If you are a chemical engineering major and you have not completed PHYS 2514 General Physics for Engr & Science Majors, your remaining coursework will not be transferable.

Name: ___________________________  Sooner ID: ___________________________