Bachelor of Science in Chemical Engineering (CH E – B160 Standard)
Summer 2017 through Spring 2018 – Total Credit Hours: 123

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 1113 English Composition

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

**SOPHOMORE**
- **Fall** 16 Hours
  - MATH 2934 Calculus III
  - PHYS 2524 General Physics for Engr & Science Majors
  - ENGR 2002 Intro. to Chemical Engineering Computing
  - MATH 3113 Differential Equations

- **Spring** 16 Hours
  - Approved Elective Artistic Forms
  - CH E 2002 Momentum, Heat & Mass Transfer I
  - MATH 3113 Differential Equations

**JUNIOR**
- **Fall** 16 Hours
  - Approved Elective Social Science
  - CH E 3113 Momentum, Heat & Mass Transfer II
  - CHEM 3421 Physical Chemistry Lab
  - CHEM 3423 Physical Chemistry I

- **Spring** 14 Hours
  - Approved Elective Western Civilization & Culture
  - CH E 3473 Chemical Engineering Thermo.
  - CHEM 4153 Process Dynamics & Control
  - ENGR 2431 Electrical Circuits I

**SENIOR**
- **Fall** 16 Hours
  - P SC 1113 American Federal Government
  - CH E 3432 Unit Operations
  - CHEM 4262 Chem. Engr. Design Lab I
  - ENGR 2431 Electrical Circuits I
  - CHEM 4262 Chem. Engr. Design Lab I

- **Spring** 13 Hours
  - Chemical Engr Technical Elective I
  - Chemical Engr Technical Elective II
  - CH E 4253 Process Design & Safety
  - ENGR 2431 Electrical Circuits I
  - ENGR 2431 Electrical Circuits I

**Key and Important Notes**
1. CHEM 3423 and MATH 3113 will allow MATH 2423 or MATH 2924 as pre-requisite, and as a co-req for ENGR 2431.
2. ENGR 2411 will allow MATH 2433 or MATH 2934 as co-req. and requires PHYS2514 as pre-req.
3. CH E 3333, CH E 4473, CH E 4153, CH E 4253, CH E 4262 are pre-requisites for CH E 4273.

- At least one of these Gen. Ed. courses must be 3000-4000 level.
- Shaded courses offered once per year.
- Foreign Language: 2 semesters college level or 2 years of high school.