Bachelor of Science in Chemical Engineering (Sustainability Option) B165
Summer 2022 through Spring 2023 – 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.

**FRESHMAN**

- **Fall** (16 Hours)
  - MATH 1914 Calculus I
  - ENGR 1411 or 3511 Freshman / Transfer Engineering Experience
  - UCOL 1523 / 1533 / 1543 First-Year Experience
- **Spring** (16 Hours)
  - MATH 2924 Calculus II
  - PHYS 2514 General Physics for Engr & Science Majors
  - ENGL 1113 English Composition
- **Fall** (15 Hours)
  - MATH 2934 Calculus III
  - PHYS 2524 General Physics for Engr & Science Majors
- **Spring** (16 Hours)
  - CH E 2033 Chemical Engineering Fundamentals

**SOPHOMORE**

- **Fall** (15 Hours)
  - MATH 3113 Differential Equations
    - Prereq: MATH 2924 or 2423
  - CH E 3113 Momentum, Heat & Mass Transfer I
  - or MATH 2443
- **Spring** (16 Hours)
  - MATH 3113 Differential Equations
    - Prereq: MATH 2924 or 2423
  - CH E 3113 Momentum, Heat & Mass Transfer I
  - or MATH 2443

**JUNIOR**

- **Fall** (17 Hours)
  - CH E 3473 Chemical Engineering Thermodynamics
    - Prereq: MATH 3113
  - CH E 3432 Unit Operations
    - Additional Prereq: MATH 3113
- **Spring** (16 Hours)
  - CH E 3473 Chemical Engineering Thermodynamics
    - Prereq: MATH 3113
  - CH E 3432 Unit Operations
    - Additional Prereq: MATH 3113

**SENIOR**

- **Fall** (16 Hours)
  - CH E 3333 Separation Processes
    - Additional Prereq: MATH 3113
  - CH E 3473 Chemical Engineering Thermodynamics
    - Prereq: MATH 3113
- **Spring** (16 Hours)
  - CH E 3333 Separation Processes
    - Additional Prereq: MATH 3113
  - CH E 3473 Chemical Engineering Thermodynamics
    - Prereq: MATH 3113

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
- Foreign Language: 2 semesters college level or 2 years of high school.
- HS History Deficiency
- CHEM 1315 or CHEM 1335 General Chemistry
- ENGR 2002 Prof. Development
  - Prereq: ENGL 1213
  - Co-req: ENGR 1411/3511
- CH E 3421 Physical Chemistry Lab
  - Additional Prereq: MATH 3113
- ENGR 2431 Electrical Circuits I
  - Prereq: MATH 2924/2423
  - Co-req: PHYS 2524
- ENGR 4273 Advanced Process Design
- ENGR 4262 Chem. Engr. Design Lab I
  - Prereq: CH E 3123
- CH E 4153 Process Dynamics & Control
  - Prereq: MATH 2924/2423
- CHEM 3423 Physical Chemistry I
  - Additional Co-req: MATH 2924 or 2423
- CHEM 3421 Physical Chemistry Lab
  - Additional Prereq: MATH 2924 or 2423
- UCOL 1523 / 1533 / 1543 First-Year Experience
- ENGR 2411 Applied Engr Statics
  - Prereq: PHYS 2514
  - Coreq: PHYS 2524
- ENGR 4231 Chemical Process Sustainability