Bachelor of Science in Chemical Engineering (CH E – B163 Pre-medical / Biomedical Engineering)
Summer 2018 through Spring 2019 – Total Credit Hours: 132
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
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 1435 General Chemistry

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

Fall 16 Hours

- MATH 2934 Calculus III
- PHYS 2524 General Physics for Engr & Science Majors
- CHEM 1315 or CHEM 1435 General Chemistry
- CHEM 1415 or CHEM 1435 or CHEM 1425 (H) General Chemistry

SOPHOMORE
16 Hours

- MATH 1914 Calculus I
- PHYS 2524 General Physics for Engr & Science Majors
- CHEM 1415 or CHEM 1435 or CHEM 1425 (H) General Chemistry

Spring 17 Hours

- MATH 2934 Calculus III
- PHYS 2524 General Physics for Engr & Science Majors
- CHEM 1415 or CHEM 1435 or CHEM 1425 (H) General Chemistry

Fall 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 1315 or CHEM 1435 General Chemistry

JUNIOR
18 Hours

- MATH 1914 Calculus I
- PHYS 2524 General Physics for Engr & Science Majors
- CHEM 1415 or CHEM 1435 or CHEM 1425 (H) General Chemistry

Spring 18 Hours

- MATH 2934 Calculus III
- PHYS 2524 General Physics for Engr & Science Majors
- CHEM 1415 or CHEM 1435 or CHEM 1425 (H) General Chemistry

Fall 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 1315 or CHEM 1435 General Chemistry

SENIOR
17 Hours

- MATH 1914 Calculus I
- PHYS 2524 General Physics for Engr & Science Majors
- CHEM 1415 or CHEM 1435 or CHEM 1425 (H) General Chemistry

Spring 17 Hours

- MATH 2934 Calculus III
- PHYS 2524 General Physics for Engr & Science Majors
- CHEM 1415 or CHEM 1435 or CHEM 1425 (H) General Chemistry

Fall 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 1315 or CHEM 1435 General Chemistry

Key and Important Notes

- 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.
- HS History Deficiency: H = Honors option
- Pre-Medical: Recommended taking BIOL1114 & 1121 summer freshman year.
- Co-requisite: MATH 2423/2924
- Shaded courses offered Fall or Spring only.
- Pre-Medical: One of the electives must be chosen from BIOL 3113, 3333, or 4853. See Pre-Med advisor each semester.
- Biomedical: Technical electives must include CH E 5203 (offered alternate even Falls only) and an approved biological content elective.

All students must take CHEM 3653 Intro to Biochem and two technical electives. Follow the Pre-med or Biomed option choices.

Pre-Medical: One of the electives must be chosen from BIOL 3113, 3333, or 4853. See Pre-Med advisor each semester.

Biomedical: Technical electives must include CH E 5203 (offered alternate even Falls only) and an approved biological content elective.