Bachelor of Science in Chemical Engineering (CH E – B161 Biotechnology)
Summer 2017 through Spring 2018 – Total Credit Hours: 125

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
MATH 2924 Calculus II
ENGR 1411 or 3511 Freshman / Transfer Engineering Experience
HIST 1483 or 1493 U.S. History

Spring 16 Hours
MATH 2934 Calculus III
PHYS 2514 General Physics for Engr & Science Majors
ENGL 1113 English Composition

Fall 16 Hours
Approved Elective Western Civilization & Culture
Approved Elective Social Science

Spring 16 Hours
Approved Elective Non-Western Culture
Approved Elective Artistic Forms

SOPHOMORE
Fall 17 Hours
MBIO 2815 or MBIO 3813 and MBIO 3812
CH E 3473 Chemical Engineering Thermo.

Spring 15 Hours
CH E 3313 Structure & Properties of Materials (was 2313)

JUNIOR
Fall 16 Hours
CH E 3132 Momentum, Heat & Mass Transfer II

Spring 13 Hours
CH E 3723 Numerical Methods for Engr, Comp.

SENIOR
Fall 16 Hours
ENGR 2431 Electrical Circuits I

Spring 13 Hours
ENGR 3431 Electromechanical Systems
P SC 1113 American Federal Government

Key and Important Notes
1. CH E 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 PHYS 2514 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.
4. Total of 5 hours required for MBIO by taking either MBIO 2815 or the combination of MBIO 3813 and MBIO 3812.

- H = Honors option
- - Co-requisite
- 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.