Bachelor of Science in Biomedical Engineering (Standard Option-B108)
Summer 2020 through Spring 2021 – Total Credit Hours: 129

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
- PHYS 2514 General Physics for Engr & Science Majors
- ENGL 1113 English Composition
- CHEM 1315 or CHEM 1335 General Chemistry
- ENGR 1411 or 3511 Freshman / Transfer Engineering Experience

Spring
16 Hours
- MATH 2934 Calculus III
- PHYS 2524 General Physics for Engr & Science Majors
- ENGL 1213 or EXPO 1213 English Comp or Expository Writing
- CHEM 1415 or CHEM 1435 or CHEM 1425 (H) General Chemistry
- ENGR 2002 Prof. Development
- BME 2333 Biomedical Engr. Fundamentals

SOPHOMORE
Fall
17 Hours
- CS 1213 Python Co-req: MATH 1503
- PHYS 2524 General Physics for Engr & Science Majors
- ISE 3293 Applied Statistical Methods
- BIOL 1124 Molecules, Cells, Physiology (Core II)

Spring
18 Hours
- MATH 3113 Diff. Equations
- BME 2433 Signals and Systems for Biomedical Engr.
- ECE 2723 Electrical Circuits I Prereq: MATH 2924/2423
- CHEM 3653 Intro to Biochemistry
- PreMed Students contact 325-2457 in Freshman year

JUNIOR
Fall
16 Hours
- Upper-div Biology Elect. (See * below)
- BME 3722 Num. Methods BME
- BME 3533 Biomedical Instrumentation
- ECE 2723 Electrical Circuits I Prereq: MATH 2924/2423
- CHEM 3653 Intro to Biochemistry

Spring
16 Hours
- BME 3233 Biomaterials
- BME 3533 Biomedical Instrumentation
- BME 3123 Biotransport
- BME Lab 1 Pre Req: ISE 3293
- CHEM 3653 Intro to Biochemistry

SENIOR
Fall
15 Hours
- BME 4813 Quantitative Physiology
- BME 3143 Biomechanics
- BME Lab 2
- BME Elective (see BME UG handbook)

Spring
15 Hours
- BME Elective (see BME UG handbook)
- BME Elective (see BME UG handbook)

Key and Important Notes
- One of these Gen. Ed. courses must be 3000-4000 level.
- HS History Deficiency
- Co-requisite
- Prerequisite
- Approved Elective
- Offered once per year.
- Foreign Language: 2 semesters college level or 2 years of high school.

Please use this flowchart as a supplemental visual guide to use in conjunction with the official OU degree check sheet.

*Upper-Division Biology Elective Options:
CHEM3653 Intro to Biochemistry, BIOL3333 Genetics, BIOL3113 Cellular Biology, BIOL4843 Molecular Biology, BIOL3833 Intro to Neurobiology