

Bachelor of Science in Biomedical Engineering (Standard Option) B108

Summer 2022 through Spring 2023 – 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

SOPHOMORE

JUNIOR

SENIOR

Fall
16 Hours

Spring
16 Hours

Fall
17 Hours

Spring
18 Hours

Fall
16 Hours

Spring
16 Hours

Fall
15 Hours

Spring
15 Hours

MATH 1914
Calculus I

MATH 2924
Calculus II

MATH 2934
Calculus III

CS 1213
Python
Co-req: MATH 1503

BME 3722
Num. Methods BME

MCAT in APRIL
for Pre-med
Students

Approved Elective
Artistic Forms ★

Approved Elective
World Culture ★

UCOL 1523 / 1533 / 1543
First-Year Experience

PHYS 2514
General Physics for
Engr & Science
Majors

PHYS 2524
General Physics for
Engr & Science
Majors

MATH 3113
Diff. Equations
or MATH 2423

BME 3531
Biomedical
Instrumentation Lab

BME 4813
Quantitative
Physiology

Approved Elective
Social Science ★

P SC 1113
American Federal
Government

ENGL1113
English Composition

**ENGL 1213 or
EXPO 1213**
English Comp or
Expository Writing

BME 2333
Biomedical Engr.
Fundamentals
**Pre-requisite of B
or better in:
CHEM1315 &
CHEM1415 &
MATH1914/1823 &
MATH2924/2423 &
PHYS2514*

ISE 3293
Applied Statistical
Methods
or MATH 2433

BME 3533
Biomedical
Instrumentation

BME 3123
Biotransport
*Pre-req: MATH3113,
PHYS2524, BME2333*

BME 4713
Biomedical Engr,
Design I
(Senior standing)

BME 4823
Biomedical Engr.
Design II
(Capstone)

**CHEM 1315 or
CHEM 1335**
General Chemistry

**CHEM 1415 or
CHEM 1435 or
CHEM 1425 (H)**
General Chemistry

BIOL 1124
Molecules, Cells,
Physiology (Core II)

ECE 2723
Electrical Circuits I
*Prereq:
MATH 2924/2423
PHYS 2524*

BME 3143
Biomechanics
*Pre-req: BME2333,
PHYS2524, MATH3113*

BME 3181
BME Lab 2

Approved Elective
Western Culture ★

BME Elective

ENGR 1411 or 3511
Freshman / Transfer
Engineering
Experience

ENGR 2002
Prof. Development
*Prereq: ENGL 1213 &
Soph Standing*

HIST 1483 or 1493
U.S. History

BME 3171
BME Lab 1
Pre-req: ISE3293

BME 3233
Biomaterials
*Add'l Pre-req: BME2333,
BIOL1124, PHYS 2524*

**Science, Math, Engr.
Elective**

**Science, Math, Engr.
Elective**

BME Elective

BME Elective

**Upper-division
Biology Elective.**

Choose from: CHEM3053,
CHEM3653, BIOL3333,
BIOL3113, BIOL4843,
BIOL3833, MBIO3813

BME Elective

BME/SME Elective Note:
Lists of pre-approved BME electives, and Science, Math,
Engineering electives are maintained by the BME
department - not all listed electives will be available every
semester, students are responsible
for course pre-requisites & instructor permission.

Visit: <http://ou.edu/coe/sbme/undergraduate>

Key and Important Notes

★ One of these Gen. Ed. courses must be 3000-4000 level. HS History Deficiency

Fall or Spring ONLY

Foreign Language: 2 semesters college level or 2 years of high school.

← - - - → Co-requisite

↔ Prerequisite

PreMed Students contact 325-2457 in Freshman year