

Bachelor of Science in Biomedical Engineering (Standard Option) B108

Summer 2023 through Spring 2024 – Total Credit Hours: 130

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
17 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
Pre-req: BME2333

MCAT in APRIL
for Pre-med
Students

Approved Elective ★
Artistic Forms

Approved Elective ★
World Culture

CAS
1523 / 1533 / 1543
First-Year Experience
(Core V)

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

BME 1421
Intro to BME

BME 2333
Biomedical Engr.
Fundamentals
*Pre-requisites:
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)

ENGL 1113
English Composition

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

BME 2433
Signals and Systems
for Biomedical Engr.

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

BME 3181
BME Lab 2

Approved Elective ★
Western Culture

BME Elective

**CHEM 1315 or
CHEM 1335**
General Chemistry

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

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

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**

ENGR
1411 / 1421 / 3511
Engineering Thinking

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

HIST 1483 or 1493
U.S. History

BME Elective

BME Elective

BME and SME electives:
Visit: <http://ou.edu/coe/sbme/undergraduate>
No more than 3 hours of BME3440 / 4050 / 3980
may be used towards degree requirements.

**Upper-division
Biology Elective.**
Choose from: CHEM3053,
CHEM3653, BIOL3333,
BIOL3113, BIOL4843,
BIOL3833, MBIO3813

BME Elective

PreMed Students contact 325-2457 in Freshman year

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