Bachelor of Science in Biomedical Engineering (Standard Option-B108)
Summer 2016-Spring 2017-Total Credit Hours: 132

FRESHMAN
Fall 16 hour
MATH 1914 Diff & Integral Calculus I
ENG111 Freshman Engineering Experience
CHEM 1315 General Chemistry (Core II)
HIST 1483 US Hist 1492-1865 or HIST 1493 US Hist 1865-Pres (Core IV)

Spring 16 hours
MATH 2924 Diff & Integral Calculus II
PHYS 2514 Gen. Physics for Engr & Science (Core II)
ENGR 1411 Gen. Physics for Engr & Science (Core II)

SOPHOMORE
Fall 18 hours
MATH 2934 Diff & Integral Calculus III
PHYS 2524 Gen. Physics for Engr & Science
ISE 3293 Applied Statistical Methods (pre-req for ALL BME Core Area labs)

Spring 17 hours
MATH 3113 Intro to Ord Diff Equations
CHEM 3053 Organic Chem I (may be concurrent)
CHEM 3512 Org. Chem Lab

JUNIOR
Fall 16 hours
BME 3722 Numerical Methods in Biomedical Engr
CHEM 3653 Introduction to Biochemistry
ECE 4833 Biomedical Instrumentation

Spring 16 hours
BME 3823 Quantitative Physiology
COMM 2613 Public Speaking
COM 2113 Introduction to Social Science (Core III)

SENIOR
Fall 18 hours
PSC 1113 Am. Fed. Govt (Core III)
BME 4713 Biomedical Engr Design I (Senior Standing)

Spring 15 hours
BME 4823 Biomedical Engr Design II (Capstone)

Legend:
- B108
- Upper-division met
- Foreign Language met
- (Offered Fall & Spring)
- (pre-req for all Core Area Labs)

1. (Offered Fall & Spring) BME3113-Biomaging, 3122-Biotransport; 3133-Bioelectricity; 3143-Biomechanics; 3153-Molecular, Cellular, and Tissue Engineering; & 3163-Biomedical Micro-Nano-Technology
2. (Offered Fall & Spring) BME3111-Biotransport Lab; 3122-Biomedical Engr Fundamentals B minimum in all starred courses
3. Choose from approved General Education list. At least one of the four categories must be upper division (3000-4000 level).
4. BME3213; Biomechanics II; BME3214; Biomechanics III; BME3313; Biomedical Instrumentation; BME3314; Biomedical Engineering; BME3413; Biomedical Engineering Lab; BME3513; Biomedical Engineering Lab; BME3611; Biomedical Micro-Nano-Technology Lab; BME3612; Biomedical Micro-Nano-Technology Lab

Note: Refer to check sheet for Core Area Course and Lab prerequisites. Shaded courses only offered once a year. Minimum "C" required for each course in the curriculum (BME333 requires B minimum in all starred courses)
PREMED students contact 405.325.2457 in Freshman year. In addition to courses above, complete: CHEM3153, PHYS3111 & 3211, PSY & SOC, Cell or Molecular Biology, & Genetics (Recommend BIO303). MCAT in April of Jr. year
This flowchart is not an official document. Please use as a supplemental visual guide to use in conjunction with the official University of Oklahoma degree check sheet http://checksheets.ou.edu/engrindx.htm