Engineering, B.S. Biomedical Concentration (BME) Major

School of Engineering and Engineering Technology - Department of Engineering

Sequence Sheet for 2013-2014

First Semester - Fall 2013 (14 hours)

___ CHEM 1111 General Chemistry I Lab
___ CHEM 1113 General Chemistry I
___ ENGL 1013 English Composition I
___ ENGR 1513 Intro. to Engineering Practice I (Fall only)
___ LETU 1101 Cornerstones Of Life And Learning
___ MATH 1903 Calculus I (1)

Second Semester - Spring 2014 (16 hours)

___ BIBL 1043 Biblical Foundations For Living
___ COMM 1113 Intro. To Speech Communication
___ ENGL 1023 English Composition II
___ ENGR 1311 Manufacturing Processes Lab
___ ENGR 1523 Intro. to Engineering Practice II (Spring only)
___ MATH 2013 Calculus II (1)

Third Semester - Fall 2014 (17 hours)

___ BIBL 1033 Biblical Literature
___ BIOL 2014 Human Anatomy And Physiology I (Fall only)
___ ENGR 2704 Project Management, Design and Entrepreneurship
___ MATH 2023 Calculus III
___ MEGR 2013 Statics (1)

Fourth Semester - Spring 2015 (18 hours)

___ BIOL 2024 Human Anatomy And Physiology II (Spring only)
___ EEGR 2051 Circuits and Measurements Lab (1)
___ EEGR 2053 Electric Circuits (1)
___ ENGR 2400 Sophomore Design Seminar (Spring only)
___ KINE Physical Activities
___ MATH 2203 Differential Equations
___ MEGR 2023 Dynamics (1)
___ BIBL Jr.-Sr. Level Elective (3 hours)

Fifth Semester - Fall 2015 (16 hours)

___ BEGR 2503 Intro. to Bioinstrumentation (Fall only)
___ BEGR 3614 Biomechanics I (Fall only)
___ BEGR 3812 Jr. Biomedical Engineering Research I (Fall only)
___ MEGR 3513 Fluid Mechanics (Fall only)
___ PHYS 2021 University Physics II Lab (Fall only)
___ PHYS 2023 University Physics II (Fall only)

Sixth Semester - Spring 2016 (16 hours)

___ BEGR 3424 Biosignal Analysis (Spring only)
___ BEGR 3624 Biomechanics II: Biotransport (Spring only)
___ BEGR 3822 Jr. Biomedical Engineering Research II (Spring only)
___ COSC 1303 Computer Science I
___ ENGR 3813 Engineering Design Methodology

Seventh Semester - Fall 2016 (16 hours)

___ BUSI 3003 Foundations of Business for Engineers (2)
___ ENGR 4813 Senior Design I (Fall only)
___ MATH 3404 Statistics and Quality Control (3)
___ Engineering/Science/Math/CS Elective (3 hours) (4)
___ HIST History Elective (3 hours)

Eighth Semester - Spring 2017 (17 hours)

___ ENGR 4823 Senior Design II (Spring only)
___ KINE 1512 Concepts Of Lifetime Fitness
___ BIBL Jr.-Sr. Level Elective (3 hours)
___ ENGL Literature Elective (3 hours)
___ Engineering/Science/Math/CS Elective (3 hours) (4)
___ Engineering/Science/Math/CS Elective (3 hours) (4)

Total hours: 130

Notes:
1: Minimum grade of 'C' required
2: ENGR 4653 (recommended for engineering graduate school) or Science Elective (recommended for medical school)
3: MATH 3303 Linear Algebra and MATH 3301 Linear Algebra Lab may be substituted for MATH 3404.
4: Recommended: Technical electives should be chosen to create an emphasis track in EE, ME, CS, or BIOL. See BME advisor for options.