Bachelor of Science in BIOMEDICAL ENGINEERING PROGRAM Curriculum (132 Credits)

**FRESHMAN**
- Fall Semester (15)
  - COM 1103 College Composition
  - LLT1213 World Masterpieces 1
  - MCS 1414 Calculus 1
  - BIO 1213 Biology 1 & Lab
  - BIO 1221
  - EGE 1001 Fund. of Eng. Design Projects
  - BME 1201 Comp. Graph. Lab
  - BME 1202 Comp. App. Lab

- Spring Semester (17)
  - COM 2103 Tech. & Prof. Communication
  - MCS 1424 Calculus 2
  - PHY 2413 Univ. Phys. 1 & Lab
  - PHY 2421
  - CHM 1213 Univ Chem 1 & Lab
  - CHM 1221
  - EGE 2123 Entreprl. Eng. Design Studio

**SOPHOMORE**
- Fall Semester (18)
  - SSC 2413 Foundations Am. Experience
  - LLT 1223 World Masterpieces 2
  - MCS 2414 Calculus 3
  - BIO 3203 Anatomy & Physiology & Lab
  - BIO 3201
  - CHM 2103 Gen., Org. & Biochem & Lab
  - CHM 2101
  - EGE 2123 Circuits & Elect or TEE 3103 DC/AC Circuits

- Spring Semester (16)
  - COM 3000 Writing Proficiency Exam
  - MCS 2423 Differential Equations
  - PHY 2423 Univ. Phys. 2 & Lab
  - PHY 2431
  - EEE 2123 Circuits & Elect or TEE 3103 DC/AC Circuits
  - BME 3113 Wearable Tech or BME 4113 Medical Devices
  - BME 3213 Biomechanics

**JUNIOR**
- Fall Semester (18)
  - COM 3000 Writing Proficiency Exam
  - MCS 3403 Probability & Statistics
  - EGE 3022 Ldrshp & Prof. Dev. for Eng.

- Spring Semester (16)
  - SSC 2423 Development Am. Experience
  - MCS 2423 Differential Equations
  - EGE 3012 Engineering Cost Analysis
  - BME 3002 Biomedical Best Practices
  - BME 3103 Biomedical Eng Elective
  - BME 3203 Biomedical Eng Elective

**SENIOR**
- Fall Semester (17)
  - LLT/SSC/PSY 3xx3/4xx3 Humanities Elective

- Spring Semester (15)
  - BME 4012 Projects 1
  - BME 4023 Projects 2
  - BME 4103 Foundations Medical Imaging
  - BME 4203 Intro to MEMS

- Fall Semester (17)
  - BME 4012 Projects 1
  - BME 4023 Projects 2
  - BME 4103 Foundations Medical Imaging
  - BME 4203 Intro to MEMS

- Spring Semester (15)
  - BME 4313 Tissue Mechanics

**KEY**
- Pre-requisite
  - Co-requisite
  - BME Courses
  - Engineering Courses
  - Math Courses
  - Science Courses
  - Humanities Courses