BS Biomedical Engineering Eight Semester Plan 2024-2025

Semester 1 and 2
- BMEN 1300 Intro to BMEN Computing
- ENGR 2300 Linear Algebra for Engineers
- MATH 2414 or 2419 Calculus II
- PHYS 2325 or 2326 Mechanics and Lab
- CHEM 1311 or 1312 Gen Chemistry I and lab

Semester 3 and 4
- BMEN 3311 Cell and Molecular Engineering
- BMEN 3341 Probability and Statistics for BMEN
- CHEM 2324* Introductory Biochemistry
- BIOL 2281 Intro to Organic Chemistry for Engineers
- ENGR 3300 Advanced Engineering Math

Semester 5 and 6
- BMEN 3300 BMEN Fundamentals and Design
- BMEN 3315 Thermo and Physical Chem for BMEN
- BMEN 3331 Probability and Statistics for BMEN
- CHEM 2324* Introductory Biochemistry
- BIOL 2281 Intro to Organic Chemistry for Engineers

Semester 7 and 8
- BMEN 4388 Senior Design I
- BMEN 4389 Senior Design II
- BMEN 4360 Biomat and Medical Devices
- BMEN 4332 Quantitative Physiology for Engineers
- ENGR 2390 Professional and Technical Comm.
- BMEN 4388 Senior Design II

Core Courses:
- BMEN 1300 Intro to BMEN Computing
- MATH 2414 or 2419 Calculus II
- PHYS 2325 or 2326 Mechanics and Lab
- CHEM 1311 or 1312 Gen Chemistry I and lab
- BIOL 2281 Intro to Organic Chemistry for Engineers

Grade Requirements:
- C- or better required

* Pre-Health Students
- See the Health Professions Advising Center

Critical Path
- First Year only; Transfer sub with Technical Elective
- Pre-or Corequisite