The following requirements must be fulfilled:

First semester	
BISC 1111	Introductory Biology: Cells and Molecules
BME 1010	Introduction to Biomedical Engineering
CHEM 1111	General Chemistry I [1]
MATH 1231	Single-Variable Calculus I [1]
SEAS 1001	Engineering Orientation
UW 1020	University Writing [1]
Second semester	
BISC 1112	Introductory Biology: The Biology of Organisms
BME 1020	Introduction to Biomedical Engineering
CHEM 1112	General Chemistry II [1]
MATH 1232	Single-Variable Calculus II [1]
PHYS 1025	University Physics I with Biological Applications [1]
Third semester	
APSC 2113	Engineering Analysis I
BME 2810	Biomedical Engineering Seminar I
ECE 2110	Circuit Theory
MATH 2233	Multivariable Calculus [1]
PHYS 1026	University Physics II with Biological Applications [1]
Fourth semester	
BME 2815	Biomedical Engineering Seminar II

ECE 2210	Circuits, Signals, and Systems
Programming Elective I [2]	
Restricted Engineering Elective [3]	
Restricted Engineering Elective [3]	
Humanities, social science, or non-technical elective [4]	
Fifth semester	
BME 3820	Engineering Analysis of Neural, Muscular, and Cardiovascular Physiology
BME 3825	Medical Measurement Laboratory
BME 4820	Anatomy and Physiology for Engineers
ECE 3220	Introduction to Digital Signal Processing
Programming Elective II [2]	
Technical elective [5]	
BME 3910	Capstone Design Preparation
Sixth semester	
APSC 3115	Engineering Analysis III
BME 3915W	Biomedical Engineering Capstone Project Lab I
Two Humanities, social science, or non-technical electives [4]	
Two technical electives [5]	
Seventh semester	
BME 4920W	Biomedical Engineering Capstone Project Lab II
MAE 4168	Introduction to Biomaterials
PHYS 3127	Biophysics: Macroscopic Physics in the Life Sciences

Humanities, social science, or non-technical elective [4]	
Technical elective [5]	
Eighth semester	
BME 4925W	Biomedical Engineering Capstone Project Lab III
PHIL 2135	Ethics in Business and the Professions
Humanities, social science, or non-technical elective [4]	
Technical elective [5]	
Science Elective [6]	

[1]Course satisfies the University General Education Requirement in math, science, and writing.

[2]One pair of programming electives selected from the following:

CSCI 1111	Introduction to Software Development
or CSCI 1112	Algorithms and Data Structures
ECE 1120	C Programming for Electrical and Computer Engineering
or ECE 1125	Data Structures and Algorithms for ECE
MAE 1117	Introduction to Engineering Computations
or MAE 2117	Engineering Computations

[3]Two restricted engineering electives. Potential selections include:

APSC 2057	Analytical Mechanics I
APSC 2058	Analytical Mechanics II
CE 2220	Introduction to the Mechanics of Solids
ECE 2115	Engineering Electronics
ECE 2140	Design of Logic Systems
ECE 3310	Introduction to Electromagnetics

MAE 2131	Thermodynamics

[4]At least two social and behavioral sciences courses must be selected from the University General Education Requirement list; the remaining course must be selected from either the University General Education Requirement list or the SEAS Humanities, Social Science, and Non-Technical Elective Requirement list. At least one humanities course must be selected from the University General Education Requirement list; the remaining two courses must be selected from either the University General Education Requirement list or the SEAS General Education Requirement list.

[5]All technical electives must be approved by the academic advisor and must include at least three courses approved by the advisor as having engineering content.

[6]One science elective selected from the following:

CHEM 3165	Biochemistry I
PHYS 3128	Biophysics: Microscopic Physics in the Life Sciences