

Bioengineering (Non-premed)

Sample Schedule

You should discuss with your major mentor before proceeding with the following schedule

Year 1

Fall Semester

Calculus with Applications or
Calculus

ECC: Computer Programming
for Engineers

First-year Writing Seminar

Core

January or June Term

ECC: Design & Innovation

Spring Semester

Multivariable Calculus

Foundations of Science 1

Foundations of Science 2

Colloquium

Year 2

Fall Semester

Linear Algebra

Bioengineering Principles

ECC: Statics

ECC: Conservation Laws

ECC: Digital Logic

ECC: Circuits

ECC: Numerical Methods

January Term

Colloquium

Spring Semester

Differential Equations for
Engineers

Foundations of Science 3

Foundations of Science 4

Biotransport

ECC: Ethics

Year 3

Fall Semester

Prob & Stats

Bioengineering Elective

Biomechanics

Core

Bioimaging

Bioinstrumentation

Biomaterials

January Term

Colloquium

Spring Semester (Study-away)

Bioengineering Elective

Bioengineering Elective

Bioengineering Elective

General Elective

Year 4

Fall Semester

Capstone Design I

Bioengineering Elective

Bioengineering Elective

Core

Spring Semester

Capstone Design II

Physical Chemistry

Bioengineering Elective

Core