Bioengineering (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	Foundations of Science 5	Foundations of Science 6	Core
Bioinstrumenation			

January Term

Colloquium

Spring Semester (Study-away)

Bioengineering Elective (Engineering track)	Bioengineering Elective (Engineering track)	Bioengineering Elective (Organic Chemistry I)	Bioengineering Elective (Engineering track)

Year 4

Fall Semester

Capstone Design I	Bioengineering Elective (Organic Chemistry II)	Biomechanics	Core
Bioimaging		Biomaterials	

Spring Semester

Capstone Design II	Physical Chemistry	Bioengineering Elective (Engineering track)	Core