

Bioengineering (Premed)

Sample Schedule

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

Year 1

Fall Semester

Math 1000 A&B	ECC: Computer Programming for Engineers	First-year Writing Seminar	General Elective
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Spring Semester

Calculus	Foundations of Science 1	Foundations of Science 2	Colloquium
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January or June Term

ECC: Design & Innovation

Summer Term

MVC

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
Bioinstrumentation			

January Term

Colloquium

Spring Semester (Study-away)

Bioengineering Elective (Engineering track)	Bioengineering Elective (Engineering track)	Bioengineering Elective (Organic Chemistry I)	Bioengineering Elective (Engineering track)
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Year 4

Fall Semester

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

Spring Semester

			Core
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