

Engineering Technology 2020-2021 Bio-Engineering Option

Fall

Year 1	CS 135	Computer Skills for Problem Solving	3
	EN 111	English Composition I	3
	MA 115	Pre-Calculus Algebra and Trigonometry	4
	CH 111/ CH 111L	General Chemistry	4
	FYE	First-Year Experience	1

Year 2	BI 112	Principles of Biology	4
	GenEd	Area II - Fine Arts	3
	MA 121	Calculus for Business and Life Sciences I	3
	PH 241	General Physics I	4
	ET 202	Intro. to Bio-Engineering and Computational Tools	2

Year 3	BI 306	Genetics	4
	ET 301	Mass and Energy Balance	3
	BI 307	Microbiology	4
	PHL-205	Ethics	3
		Elective	1

Year 4	ET 415*	Molecular Biology for Engineers	4
	HI 102	Survey of World Civilizations Since 1500	3
	IH 301	Occupational Safety and Health	3
	ET 495W	Engineering Technology Capstone	4

Spring

Year 1	BI 111	Principles of Biology	4
	ET 100	Introduction to Engineering Technology	3
	EN 112	English Composition II	3
	HI 101	Survey of World Civilizations to 1500	3
	COM 201	Fundamentals of Speech	3

Year 2	CH 102	Introduction to Organic and Biochemistry	4
	MA 122	Calculus for Business and Life Sciences II	3
	CS 155	Computer Science I	3
		Elective	1
	COM 205	Communications in a Global Age	3

Year 3	ET 302*	Bioprocess Eng., Manufacturing, & Env. Technology	5
	ET 304	BioReactor Design	3
	BI 406	Microbial Ecology and Evolution	4
	ET 370	Economics and Product Design	3

Year 4	MA 345	Applied Statistics I	3
	EN 232	Literature of the World II	3
	SO 222	Current Social Problems	3
		Elective	6

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Please note this plan is subject to change and users should refer to the Undergraduate Catalog for details

* Pending final approval