

Bachelor of Science in Biological Engineering

Year	Fall 2017					Spring 2018					Summer 2018									
	Course		R	L	C	Course		R	L	C										
Freshman	ENGL1100	English I	4	0	4	ENGL2200	English II	4	0	4										
	MATH1750	Engineering Calculus I	4	0	4	MATH1850	Engineering Calculus II	4	0	4										
	PHYS1250	Engineering Physics I	3	2	4	BIOL1100	Cell and Molecular Biology	3	2	4										
	CHEM1100	Engineering Chemistry I	3	2	4	ENGR1500	Introduction to Engineering Design	1	4	3										
	ENGR1000	Introduction to Engineering	1	4	3	ENGR1800	Programming with MATLAB	0	2	1										
				15	8		ENGR1600	Fundamentals of CAD and CAM	0	2	1									
			Total:		19			12	10	17										
Year	Fall 2018					Spring 2019					Summer 2019									
	Course		R	L	C	Course		R	L	C										
Sophomore	MATH2500	Differential Equations	4	0	4	ELECTIVE	Humanities and Social Science	4	0	4	Optional Co-op									
	PHYS1750	Engineering Physics II	3	2	4	BMED4600	Biostatistics	4	0	4										
	BIOLxxx	Advanced Molecular Biology	3	2	4	CHEM1600	Engineering Chemistry II	3	2	4										
	BIOExxx	Fundamentals of Biological Eng	3	2	4	BIOExxx	Bio. Instr. & Measurement	3	2	4										
				13	6			14	4	16										
			Total:		16			14	4	16										
Year	Fall 2019					Spring 2020					Summer 2020									
	Course		R	L	C	Co-op I COOP 3500					Course			R	L	C				
Junior	ELECTIVE	Humanities and Social Science	4	0	4						ELECTIVE			Humanities and Social Science	4	0	4			
	CHEM2500	Organic Chemistry	3	2	4						CHEMxxx			Biochemistry	3	2	4			
	BIOExxx	Genetics & Transgenetics	3	2	4						BIOExxx			Biomaterials & Tissue Engineering	3	2	4			
	ENGRxxx	Bio-Elective / EPIC	3	2	4						BIOExxx			Unit Operations & Process Control	2	4	4			
			13	6	16				12	8	16									
Year	Spring 2020					Spring 2021					Summer 2021									
	Co-op II COOP 4500					Course			R	L	C	Course			R	L	C			
Senior											ELECTIVE	Humanities and Social Science	4	0	4	ELECTIVE	Humanities and Social Science	4	0	4
											BIOExxx	Cell Physiology & Signaling	3	2	4	BIOLxxx	Synthetic Biology	3	2	4
											BIOExxx	Bio-Transport Phenomena	3	2	4	ENGRxxx	Bio-Elective / EPIC	3	2	4
											ENGR5000	Engineering Senior Design I	1	6	4	ENGR5500	Engineering Senior Design II	1	6	4
								11	10	16			11	10	16					
											Total Credits 132									