

Curriculum Plan for Classes of 2025 & 2026

		Fall				Spring			
First Year	CHE	201	General Chemistry I	1	CHE	202	General Chemistry II	1	
	MAT	127	Calculus A	1	MAT	128	Calculus B	1	
	PHY	201	General Physics I	1	PHY	202	General Physics II	1	
	ENG	144	Fundamentals of Engineering	0.5	CSC	216	Comp Sci for Engineering - C++	1	
	BME	145	Introduction to BME	0.5	FYS	16X	First Year Seminar	1	
	FYW	102	First Year Writing (if needed)		ENG	92	Engineering Seminar II	0	
	ENG	91	Engineering Seminar I	0					
	ENG	95	Introduction to Engineering	0					
			4					5	
Sophomore Year	BME	251	Fundamentals of BME	1	BME	323	Introduction to Biomaterials	1	
	ENG	212	Circuit Analysis	1	ELC	321	Signals and Systems	1	
	ENG	214	Circuit Analysis Laboratory	0.5	BIO	201	Foundations of Biological Inquiry	1	
	BME	222	Introduction to Mechanics	1	MAT	229	Multivariable Calculus	1	
	ENG	272	Advanced Engineering Math I	1			College Core Elective	1	
				4.5					5
Junior Year	BME	311	Physiological Systems	1	BME	371	Physiological Systems II & lab	1	
	BME	313	Instrument/Measurements Lab	0.5	BME	343	Biomechanics	1	
			Engineering Elective 3xx or 4xx	1	BME	350	Biofluid Mechanics	1	
	BIO	211	Cell Biology and Biochemistry	1			Technical Elective	1	
	TST	161	Creative Design	1	ENG	94	Engineering Seminar IV	0	
	ENG	93	Engineering Seminar III	0					
			4.5					4	
Senior Year	BME	495	Senior Project I	0.5	BME	496	Senior Project II	0.5	
	BME	473	Bioinstrumentation & lab	1			Biomedical Engineering Elective	1	
	BME	450	Mass and Heat Biotransport	1	BME	480	Physiologic Modeling	1	
			Biomedical Engineering Elective	1	IDS	252	Society, Ethics and Technology	1	
			College Core Elective	1			College Core Elective	1	
	ENG	99	Senior Professional Seminar	0					
			4.5					4.5	