

Curriculum Plan for Class of 2024

		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	1
	BME	313	Instrument/Measurements Lab	0.5	BME	333	Physiological Systems Laboratory	0.5
	ENG	342	Advanced Engineering Math II	1	BME	343	Biomechanics	1
			Engineering Elective 3xx or 4xx	1	BME	350	Biofluid Mechanics	1
	ENG	93	Engineering Seminar III	0			Technical Elective	1
	CHE	331	Organic Chemistry I	1	ENG	94	Engineering Seminar IV	0
	BIO	211	Cell Biology and Biochemistry	1	TST	161	Creative Design	1
				5.5				5.5
Senior Year	BME	495	Senior Project I	0.5	BME	496	Senior Project II	0.5
	BME	473	Bioinstrumentation	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
	BME	433	Bioinstrumentation Laboratory	0.5			College Core Elective	1
	ENG	99	Senior Professional Seminar	0				
				5				4.5