

B.S. Bioengineering - Pre-Med Track

Y1	Fall	19		MATH 11 (4) Calculus I		CHEM 11 (5) Chemistry I		ENGR 1 (2) Intro Engineering		CORE		CTW 1 (4)
	Winter	18		MATH 12 (4) Calculus II		CHEM 12 (5) Chemistry II		PHYS 31 (5) Physics I				CTW 2 (4)
	Spring	18		MATH 13 (4) Calculus III		CHEM 31 (5) Organic Chemistry I		PHYS 32 (5) Physics II		BIOE 10 (4) Intro Bioengineering		
Y2	Fall	18		MATH 14 (4) Calculus IV		CHEM 32 (5) Organic Chemistry II		PHYS 33 (5) Physics III				C&I 1 (4)
	Winter	18				CHEM 33 (5) Organic Chemistry III		ELEN 50 (5) Electric Circuits I		BIOL 1A (4) Transformations of Energy & Matter		C&I 2 (4)
	Spring	18						BIOE 23 (5) Intro Bio Devices		BIOE 45 (5) Programming	BIOL 1B (4) Information Flow	ENGR 16 (4)* (RTC 1)
Y3	Fall	18		AMTH 106 (4) Differential Equations				BIOE 161 (5) Bioinstrumentation		BIOE 120 (4) Experimental Methods	BIOL 1C (5) Practical Biology	
	Winter	17				BIOE 155 (4) or BIOE 154 (4)		BIOE 162 (5) Biosignals			SOCl 1 (4) (Social Science)	ENGR 19 (4)* (Ethics)
	Spring	18			CHEM 50 (5) Quantitative Analysis					BIOE 172 (5) Intro Tissue Engineering	CORE	ENGL 181 (4) Engineering Comm
Y4	Fall	16		BIOE 194 (2) Senior Design I		CHEM 141 (5) Biochemistry I		BIOE 153 (4) Biomaterials		BIOE 171 (5) Physiology & Anatomy		
	Winter	10		BIOE 195 (2) Senior Design II							TE	CORE
	Spring	10		BIOE 196 (2) Senior Design III							CORE	CORE

Bioengineering	Biology	Chemistry	Engineering	Math	Physics
Technical Electives	≥ 8 units, choose CHEM 141 (recommended) and an upper-division BIOE course			BIOE 154 (4) Intro Biomechanics	BIOE 155 (4) Biological Transport

*ENGR 16 and ENGR 19 are recommended for engineering students as a way to satisfy the RTC 1 and Ethics requirements in the Core curriculum