

B.S. Bioengineering - Pre-Med Track

Y1	Fall '22	19	5	MATH 9 (5) Precalculus	5	CHEM 11 (5) Chemistry I	1	BIOE 1 (1) Intro Bioengineering	4	ENGR 16 (4)* (RTC 1)	4	CTW 1 (4)		
	Winter '23	19	4	MATH 11 (4) Calculus I	5	CHEM 12 (5) Chemistry II	5	PHYS 31 (5) Physics I	1	ENGR 1 (1) Intro Engineering	4	CTW 2 (4)		
	Spring '23	19	4	MATH 12 (4) Calculus II	5	CHEM 31 (5) Organic Chemistry I	5	PHYS 32 (5) Physics II	1	ENGR 1L (1) Intro Engineering Lab	4	BIOE 24 (4) or BIOE 25 (4)		
Y2	Fall '23	19	4	MATH 13 (4) Calculus III	5	CHEM 32 (5) Organic Chemistry II	5	PHYS 33 (5) Physics III	5	ELEN 50 (5) Electric Circuits I				
	Winter '24	17	4	MATH 14 (4) Calculus IV	5	CHEM 33 (5) Organic Chemistry III					BIOL 1A (4) Transformations of Energy & Matter	4	C&I 1 (4)	
	Spring '24	18	5	BIOE 45 (5) Programming			5	BIOE 23 (5) Intro Bio Devices			BIOL 1B (4) Information Flow	4	C&I 2 (4)	
Y3	Fall '24	18	4	AMTH 106 (4) Differential Equations			5	BIOE 161 (5) Bioinstrumentation	4	BIOE 120 (4) Experimental Methods	5	BIOL 1C (5) Practical Biology		
	Winter '25	19			4	BIOE 172 (4) Intro Tissue Engineering	5	BIOE 162 (5) Biosignals	2	TE	4	ENGR 19 (4)* (Ethics)	4	SOCI 1 (4) (Social Science)
	Spring '25	18			5	CHEM 50 (5) Quantitative Analysis	4	BIOE 154 (4) or BIOE 155 (4)	1	TE	4	CORE	4	ENGL 181 (4) Engineering Comm
Y4	Fall '25	16	2	BIOE 194 (2) Senior Design I	4	BIOE 153 (4) Biomaterials	5	BIOE 171 (5) Physiology & Anatomy	1	TE	4	CORE		
	Winter '26	11	2	BIOE 195 (2) Senior Design II	5	TE: CHEM 141 (5) Biochemistry I						4	CORE	
	Spring '26	10	2	BIOE 196 (2) Senior Design III							4	CORE	4	CORE

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Bioengineering	Biology	Chemistry	Engineering	Math	Physics
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Technical Electives

≥ 9 units (see list on back) - Choose CHEM 141 and others from the list

*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