

## B.S. Bioengineering - Pre-Med Track

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

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Bioengineering	Biology	Chemistry	Engineering	Math	Physics
Technical Electives	≥ 9 units (see list on back) - Choose CHEM 141 and others from the list			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