

## B.S. Bioengineering - Medical Device Track

<b>Y1</b>	Fall	18	4	<b>MATH 11 (4)</b> Calculus I	5	<b>CHEM 11 (5)</b> Chemistry I	1	<b>BIOE 1 (1)</b> 1st year Seminars in Bioengineering	4	<b>BIOE 21 (4)</b> Intro Physiology	4	CTW 1 (4)	
	Winter	19	4	<b>MATH 12 (4)</b> Calculus II	5	<b>CHEM 12 (5)</b> Chemistry II	5	<b>PHYS 31 (5)</b> Physics I	1	<b>ENGR 1 (1)</b> Intro Engineering	4	CTW 2 (4)	
	Spring	19	4	<b>MATH 13 (4)</b> Calculus III	5	<b>CHEM 31 (5)</b> Organic Chemistry I	5	<b>PHYS 32 (5)</b> Physics II	1	<b>ENGR 1L (1)</b> Intro Engineering Lab	4	CORE	
<b>Y2</b>	Fall	19	4	<b>MATH 14 (4)</b> Calculus IV	4	<b>BIOE 25 (4)</b> Intro Biomedical Optics	5	<b>PHYS 33 (5)</b> Physics III	1	<b>MECH 10L (1)</b> Graphical Design Lab	5	<b>BIOE 45 (5)</b> Programming	
	Winter	18			5	<b>BIOE 22 (5)</b> Intro Cell/Mol Bioeng	5	<b>BIOE 23 (5)</b> Intro Bio Devices	4	<b>BIOE 24 (4)</b> Intro Mechanics/Modeling	4	C&I 1 (4)	
	Spring	16	4	<b>AMTH 106 (4)</b> Differential Equations			4	<b>BIOE 32 (4)</b> Intro Biochemical Engineering			4	<b>ENGR 16 (4)*</b> (RTC 1)	C&I 2 (4)
<b>Y3</b>	Fall	17	4	<b>BIOE 153 (4)</b> Biomaterials			5	<b>BIOE 161 (5)</b> Bioinstrumentation	4	<b>BIOE 120 (4)</b> Experimental Methods	4	<b>ENGR 19 (4)*</b> (Ethics)	
	Winter	13			4	<b>BIOE 155 (4)</b> Biological Transport	5	<b>BIOE 174 (5)</b> Biophotonics			4	CORE	
	Spring	14			5	<b>BIOE 168 (5)</b> Microfab & Microfluidics	5	<b>BIOE 162 (5)</b> Biosignals			4	<b>ENGL 181 (4)</b> Engineering Comm	
<b>Y4</b>	Fall	15	2	<b>BIOE 194 (2)</b> Senior Design I					5	<b>BIOE 171 (5)</b> Physiology & Anatomy	4	CORE	CORE
	Winter	13	2	<b>BIOE 195 (2)</b> Senior Design II			4	TE	3	TE	4	CORE	CORE
	Spring	10	2	<b>BIOE 196 (2)</b> Senior Design III	4	<b>BIOE 154 (4)</b> Intro Biomechanics					4	CORE	CORE

<b>Bioengineering</b>	<b>Chemistry</b>	<b>Engineering</b>	<b>Math</b>	<b>Physics</b>
<b>Technical Electives</b>		≥ 8 units, at least 4 units must be upper-division BIOE courses		

\*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