

B.S. Bioengineering - Medical Device Track

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