

B.S. Bioengineering - Medical Device Track

Y1	Fall	19	4	MATH 11 (4) Calculus I	5	CHEM 11 (5) Chemistry I	2	ENGR 1 (2) Intro Engineering	4	BIOE 21 (4) Intro Physiology	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		
Y2	Fall	19	4	MATH 14 (4) Calculus IV	5	PHYS 33 (5) Physics III	5	MECH 10 (5) Graphical Design	5	ELEN 50 (5) Electric Circuits I		
	Winter	18	4	AMTH 106 (4) Differential Equations	5	BIOE 32 (5) Intro Biochemical Engineering	5	BIOE 22 (5) Intro Cell/Mol Bioeng			4	C&I 1 (4)
	Spring	18			5	BIOE 23 (5) Intro Bio Devices	5	BIOE 45 (5) Programming	4	ENGR 16 (4)* (RTC 1)	4	C&I 2 (4)
Y3	Fall	17			5	BIOE 161 (5) Bioinstrumentation	4	BIOE 120 (4) Experimental Methods	4	ENGR 19 (4)* (Ethics)	4	CORE
	Winter	18			4	BIOE 155 (4) Biological Transport	5	BIOE 162 (5) Biosignals	5	BIOE 174 (5) Microfab & Microfluidics	4	CORE
	Spring	17			4	BIOE 154 (4) Intro Biomechanics	5	TE	4	CORE	4	ENGL 181 (4) Engineering Comm
Y4	Fall	15	2	BIOE 194 (2) Senior Design I	4	BIOE 153 (4) Biomaterials	5	BIOE 171 (5) Physiology & Anatomy			4	CORE
	Winter	11	2	BIOE 195 (2) Senior Design II			5	TE			4	CORE
	Spring	10	2	BIOE 196 (2) Senior Design III			4	TE			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 curriculum*