B.S. Bioengineering - Medical Device Track

Y1	**Fall '22**	**19**	5	**MATH 9 (5)** Precalculus	5	**CHEM 11 (5)** Chemistry I			1	**BIOE 1 (1)** Intro Bioengineering	4	**BIOE 21 (4)** Intro Physiology	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)** Intro Mechanics/Modeling							
Y2	**Fall '23**	**19**	4	**MATH 13 (4)** Calculus III	5	**ELEN 50 (5)** Electric Circuits I	5	**PHYS 33 (5)** Physics III	1	**MECH 10L (1)** Graphical Design Lab			4	**C&I 1 (4)**					
	Winter '24	**17**	4	**MATH 14 (4)** Calculus IV					4	**BIOE 25 (4)** Intro Biomedical Optics	5	**BIOE 22 (5)** Intro Cell/Mol Bioeng	4	**ENGR 16 (4)*** (RTC 1)					
	Spring '24	**19**	5	**BIOE 45 (5)** Programming	5	**BIOE 32 (5)** Intro Biochemical Engineering					5	**BIOE 23 (5)** Intro Bio Devices	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	1	**TE**	4	**ENGR 19 (4)*** (Ethics)					
	Winter '25	**18**			4	**BIOE 155 (4)** Biological Transport	5	**BIOE 162 (5)** Biosignals	5	**BIOE 174 (5)** Microfab & Microfluidics			4	**CORE**					
	Spring '25	**17**			4	**BIOE 154 (4)** Intro Biomechanics			5	**TE: BIOE 159 (5)** Hard Biomaterials	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	**12**	2	**BIOE 195 (2)** Senior Design II					2	**TE**	4	**CORE**	4	**CORE**					
	Spring '26	**10**	2	**BIOE 196 (2)** Senior Design III					4	**TE**			4	**CORE**					
		203		**Bioengineering**		**Biology**		**Chemistry**		**Engineering**		**Math**		**Physics**					
				Technical Electives		*≥ 13 units (see list on back)*													

**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*