

B.S. Bioengineering - Biomolecular 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	ENGR 19 (4)* (Ethics)		
Y2	Fall	18	4	MATH 14 (4) Calculus IV	5	CHEM 32 (5) Organic Chemistry II	5	PHYS 33 (5) Physics III	4	BIOE 32 (4) Intro Biochemical Engineering				
	Winter	17	4	AMTH 106 (4) Differential Equations					4	BIOE 25 (4) Intro Biomedical Optics	5	BIOE 45 (5) Programming	4	C&I 1 (4)
	Spring	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 2 (4)
Y3	Fall	17	5	BIOE 163 (5) Bio-Device Engineering	4	BIOE 172 (4) Intro Tissue Engineering	4	BIOE 120 (4) Experimental Methods					4	ENGR 16 (4)* (RTC 1)
	Winter	14	5	BIOE 162 (5) Biosignals	5	BIOE 175 (5) Biomol/Cellular Engineering I							4	CORE
	Spring	17	4	BIOE 153 (4) Biomaterials	4	BIOE 176 (4) Biomol/Cellular Engineering II			5	BIOE 171 (5) Physiology & Anatomy			4	ENGL 181 (4) Engineering Comm
Y4	Fall	14	2	BIOE 194 (2) Senior Design I				4	TE	4	CORE		4	CORE
	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

Bioengineering

Biology

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 curr