

B.S. Bioengineering - Biomolecular 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	18	4	MATH 14 (4) Calculus IV	5	CHEM 32 (5) Organic Chemistry II	5	PHYS 33 (5) Physics III	4		4	C&I 1 (4)
	Winter	19	5		5	BIOE 32 (5) Intro Biochemical Engineering	5	ELEN 50 (5) Electric Circuits I	5	BIOE 22 (5) Intro Cell/Mol Bioeng	4	C&I 2 (4)
	Spring	18	5		5	BIOE 23 (5) Intro Bio Devices	5	BIOE 45 (5) Programming	4	BIOL 1A (4) Transformations of Energy & Matter	4	ENGR 16 (4)* (RTC 1)
Y3	Fall	17	4	AMTH 106 (4) Differential Equations	5	BIOE 175 (5) Biomol/Cellular Engineering I	4	BIOE 120 (4) Experimental Methods	4		4	ENGR 19 (4)* (Ethics)
	Winter	18	5		5	BIOE 176 (5) Biomol/Cellular Engineering II	5	BIOE 162 (5) Biosignals	4	CORE	4	CORE
	Spring	18	4		5	BIOE 153 (4) Biomaterials	5	BIOE 163 (5) Bio-Device Engineering	5	BIOE 172 (5) Intro Tissue Engineering	4	ENGL 181 (4) Engineering Comm
Y4	Fall	11	2	BIOE 194 (2) Senior Design I	5		5	TE	4		4	CORE
	Winter	14	2	BIOE 195 (2) Senior Design II	4		4	TE	4	CORE	4	CORE
	Spring	10	2	BIOE 196 (2) Senior Design III	4		4	TE	4		4	CORE

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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