

# BIOMEDICAL ENGINEERING CURRICULUM

BACHELOR OF SCIENCE IN BME - ACCELERATED PREHEALTH TRACK - FALL 2017 AND LATER

NAME: \_\_\_\_\_ ID: \_\_\_\_\_

1st Year (Fall)	Prerequisite	Cr	Semester	1st Year (Spring)	Prerequisite	Cr	Semester	1st Year (Summer)	Prerequ	Cr	Semester
Chem 125 Chem I	None	3		Chem 126 Chem II	Chem 125	3		STS 221 Sociology	Hum 102	3	
BME 111 - Intro to Phys	None	3		Chem 124 Chem Lab	Chem 126	1		MATH 279	Math 112	2	
Writ, Speak, Think I: HUM 101	None	3		FED 101	None	2		CHEM 243	Chem 126	3	
Math 111 Calc I	None	4		Wri, Speak, Think II: HUM 101	Hum 101	3					
Phys 111 Physics I	Phys 111A, Math 111	3		Math 112 Calc II	Math 111	4					
Phys 111A Phys I Lab	Phys 111A*	1		Phys 121 Physics II	Phys 111, Phys 121A*, Math 111	3					
BME 101- Freshman Seminar F		0		Phys 121A Phys. II Lab	Phys 111A	1					
CS 101		3									

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2nd Year (Fall)	Prerequisite	Cr	Semester	2nd Year (Spring)	Prerequisite	Cr	Semester	2nd year Summer	Prerequ	Cr	Semester
Math 211(13) Calc IIIA	Math 112	3		Math 222 Diff Equations	Math 112	4					
R120:101 (404)	None	4		CHEM 473 Biochemsitry	Chem 244	3		BME 491		3	
BME 301 - Electrical Fund U	C in MATH 112, PHYS 121	3		BME 310 Biomed Computing	C in BME 111&BME 301, Chem 244	3					
BME 304 - Material Fund	C in BME 111, CHEM 126	3		300 level Psychology	Math 279 or 333	3					
BME 302 - Mech Fund U	C in MATH 112, PHYS 121	3		R120:102 (404)		4					
CHEM 244	Chem 243	3									
CHEM 244 A		2									

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3rd Year (Fall)	Prerequisite	Cr	Semester	3rd Year (Spring)	Prerequisite	Cr	Semester
BME382 Eng Mod Phys Sys	BME301,BME302, MATH222,	3		BME383 Meas Lab Phys Sys	BME302,BME 310,& MAT	3	
BME 495 Capstone Design I	BME 372 OR MTSE 301 OR (MECH 236 & BME321)	3		BME 496 Capstone Design II	BME 495	3	
Engineering Track Elective	BME 385	3		Capstone HSS 4XX	Senior Standing	3	
Engineering Track Elective	VARIOUS	3		MGMT -IE 492	Junior Standing	3	
Engineering Track Elective	VARIOUS	3		Engineering Track Elective	VARIOUS	3	
Engineering Track Elective	BME 492	3		Engineering Track Elective		3	
Liberal Arts Literacy	300 level	3					

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TOTAL CREDITS 126

**Engineering Elective:** Technical elective courses with sufficient engineering content: Generally any 300-level or higher courses with prefix BME, ME, CHE, EE, OPSE (excluding MECH320)

**Liberal Arts Literacy:** Courses to be included have the prefix Com, Eng, Hist, Lit, Phil, STS, and Thtr.