Biomedical Engineering

Catalog Term: Fall 2022 128/129



or better or MATH 112 with "C" or better CHEM 211 General Chemistry I Co req: MATH 111 General Education* First Year Seminar Note a BME 115 O CHEM 212 General Chemistry II Pre req: CHEM 211 with "C" or better 4 Physics for Scientist I Co req: MATH 243 with "C" or better					
College English I Pre req: See Course Catalog MATH 242 Calculus I Pre req: MATH 111 and 123 with "C" or better MATH 242 College English II Pre req: ENGL 101 with "C" or better MATH 243 Calculus II Pre req: MATH 242 with "C" or better CHEM 211 General Chemistry I Co req: MATH 111 With "C" or better General Education* First Year Seminar Note a BME 115 Biomedical Engineering Seminar	FALL	Hrs	SPRING	Hrs	
Calculus I Pre req: MATH 111 and 123 with "C" or better or MATH 112 with "C" or better CHEM 211 General Chemistry I Co req: MATH 111 General Education* First Year Seminar Note a Calculus II Pre req: MATH 242 with "C" or better CHEM 212 General Chemistry II Pre req: CHEM 211 with "C" or better General Education* Physics for Scientist I Co req: MATH 243 with "C" or better BME 115 O Biomedical Engineering Seminar	College English I	3	College English II Pre req: ENGL 101	3	
General Chemistry I Co req: MATH 111 General Chemistry II Pre req: CHEM 211 with "C" or better General Education* First Year Seminar Note a BME 115 O Biomedical Engineering Seminar	Calculus I Pre req: MATH 111 and 123 with "C" or better or MATH 112	5	Calculus II Pre req: MATH 242	5	ı
First Year Seminar Note a Physics for Scientist I Co req: MATH 243 with "C" or better BIME 115 Biomedical Engineering Seminar	General Chemistry I	5	General Chemistry II Pre req: CHEM 211	5	C
Biomedical Engineering Seminar	First Year Seminar	3	Physics for Scientist I Co req: MATH 243	4	,
	Biomedical Engineering Seminar	0			В

FALL	Hrs	SPRING	Hrs	
COMM 111 *	3	MATH 555	3	
Public Speaking		Differential Equations I		
		Pre req: MATH 243		
		with "C" or better		
BIOL 223	5	AE 223	3	
Human Anatomy and Physiology		Statics		
Pre req: CHEM 211		Pre req: PHYS 313		
		with "C" or better		
		Co req: MATH 243		
BIOL 210	4	CHEM 533	3	
General Biology I		Elementary Organic Chemistry		
Co req: CHEM 211 recommended		Pre req: CHEM 212 with		
(Offered Fall and Spring)		"C" or better		
		(Offered Spring Only)		
PHYS 314	4	IME 254	3	
Physics for Scientist II		Engr Probability and Statistics I		
Pre req: MATH 243		Pre req: MATH 243		
with "C" or better and PHYS 313		with "C" or better		
(Offered Fall and Spring)		(Offered Fall and Spring)		
BME 335	3	BME 477		
Biomedical Computer Applications		Intro to Biomaterials		
Co req: MATH 242		Pre req: CHEM 211 and (PHYS 313 or		
(Offered Fall and Summer)		PHYI M3	Engi	neering Tec
		Design of E	iodevic	es
		Pre req: BME 335		
_		(Offered Sp	ring on	ly)

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Total Hours	16	Total Hours	15/16		
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	BME			3	BME		
	Introduction				Bioinstrun	ientatio	n
	Pre req: AE 223				Pre req: EE 2		254,
	with "C" o				and BN all with "C"		0.5
	Co req: Biol 22 (Offered Fall	and Co	(IE 398 ina)				
	(Offered Fall	anu spi	111g)		(Offered Sp		
	Engineering Plus	Requi	ement		Engineering Tec		iecuv
	(1 of See n	3)			NOU	e D	
	300.11	JUES					
Total Ho	Line	15		Total Ho		15	

*May be ava a a

Semester One	
Semester Two	
	BME 335 Biomedical Computer Applications

BME 480 Bioinstrumentation