

Bachelor of Science in Engineering in Biomedical Engineering 2016-2017

	Grade/ Semester	Date Started: Second Major: Honors Program: PRE-MED COURSE SEQUENCE*** Expected Graduation:	Credits
FRESH (34 Credits)		CHEM 1127Q - General Chemistry	4
		MATH 1131Q - Calculus I	4
		CSE 1010 - Introduction to Computing for Engineers	3
		ENGL 1010 - Seminar in Academic Writing or ENGL 1011 - Seminar in Writing Through Lit	4
		ENGR 1000 - Orientation to Engineering	1/16
		CHEM 1128Q - General Chemistry	4
		MATH 1132Q - Calculus II	4
		BIOL 1107 - Principles of Biology	4
		ENGR 1166 - Foundations of Engineering, BME Section	3
	Content Area 2 Sociology	3/18	
SOPH (35 Credits)		PHYS 1501Q - Physics for Engineers I	4
		MATH 2110Q - Multivariable Calculus	4
		BME 2101 - Introduction to Biomedical Engineering	3
		CE 2110 - Applied Mechanics I	3
		CHEM 2443 - Organic Chemistry	3/17
		PHYS 1502Q - Physics for Engineers II	4
		ECE 2001 - Electrical Circuits	4
		MSE 2101 - Materials Science & Engineering I	3
		MATH 2410Q - Elementary Differential Equations	3
	BME 3120 - LabView Basics for Engineers	1	
	CHEM 2444 - Organic Chemistry	3/18	
JUNIOR (36 Credits)		BME 3600W - Biomechanics	4
		PNB 2264 - Human Physiology and Anatomy	4
		ECE 3101 - Signals & Systems	3
		MCB 2410 Genetics or MCB 2400 Human Genetics	3
		BME 3500 - Biomedical Engineering Measurements	4/18
		BME 3700 - Biomaterials	4
		Engineering Elective	3
		Biomedical Engineering Elective - Junior Design	3
		STAT 3025Q - Statistical Methods (Calculus Level)	3
	CHEM 2446 - Organic Chemistry Lab (1 credit ok if you take the 5 credit MCB 3010) or CHEM 2445	V	
	MCB 2000 Intro to Biochemistry or MCB 3010 Biochemistry	V	
SENIOR (37 Credits)		BME 4900 - Biomedical Engineering Design I	3
		Content Area 1 (Not in PHIL) (ENGL 2407 Short Stories)	3
		Biomedical Engineering Elective	3
		Engineering Elective	3
		PHIL 1104 - Philosophy & Ethics	3/15
		BME 4910 - Biomedical Engineering Design II	3
		Biomedical Engineering Elective	3
		Engineering Elective	3
		Content Area 2 (Social Sciences; not same subject as other Content Area 2)	3
	Content Area 4 (Diversity)	3	
	Content Area 4 (International)	3/18	
	*This curriculum is subject to change; you MUST meet with a UConn Pre-Med Advisor each semester for specific guidance!		
	Strongly recommended: MCB 2210 Cell Biology & MCB 2410 or MCB 2400 Genetics *PSYC 1100 General Psychology and SOCI required for MCAT		

