

## Bachelor of Science in Engineering in Biomedical Engineering 2016-2017

FRESHMAN (31 Credits)	Grade/ Semester	Date Started: Second Major: Honors Program: Expected Graduation:	Credits
FRESHMAN (31 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
			<b>16</b>
		CHEM 1128Q - General Chemistry	4
		MATH 1132Q - Calculus II	4
		BIOL 1107 - Principles of Biology	4
		ENGR 1166 - Foundations of Engineering, BME Section	3
		<b>15</b>	
SOPHOMORE (32 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
		Content Area 1 (Not in PHIL)	3
			<b>17</b>
		PHYS 1502Q - Physics for Engineers II	4
		BME 3120 - LabView Basics for Engineers	1
		MSE 2101 - Materials Science & Engineering I	3
		ECE 2001 - Electrical Circuits	4
	MATH 2410Q - Elementary Differential Equations	3	
		<b>15</b>	
JUNIOR (34 Credits)		BME 3600W - Biomechanics	4
		PNB 2264 - Human Physiology and Anatomy	4
		ECE 3101 - Signals & Systems	3
		BME 3500 - Biomedical Engineering Measurements	4
		Content Area 2 (Social Science)	3
			<b>18</b>
		BME 3700 - Biomaterials	4
		Engineering (Track) Elective	3
		CHEM 2443 - Organic Chemistry	3
		STAT 3025Q - Statistical Methods (Calculus Level)	3
	<i>Biomedical Engineering Elective - Junior Design</i>	3	
		<b>16</b>	
SENIOR (33 Credits)		BME 4900 - Biomedical Engineering Design I	3
		Free Elective	3
		PHIL 1104 - Philosophy & Ethics	3
		<i>Biomedical Engineering Elective</i>	3
		Engineering (Track) Elective	3
		Content Area 2 (Social Sciences; not same department as in Sophomore Year)	3
			<b>18</b>
		BME 4910 - Biomedical Engineering Design II	3
		<i>Biomedical Engineering Elective</i>	3
		Engineering (Track) Elective	3
	Content Area 4 (Diversity)	3	
	Content Area 4 (International)	3	
	Free Elective (if double counting Content Areas 1 & 4, or 2 & 4)	3	
	<b>Minimum # of credits to graduate: 128</b>	<b>130</b>	