

BME Curriculum					
Course	Description	Credits	Course	Description	Credits
MATH 241	Analytical Geom & Calc A	4	MATH 242	Analytical Geom & Calc B	4
CHEM 103	General Chemistry I	4	CHEM 104	General Chemistry II	4
BISC 207	Introductory Biology I	4	CISC 106	Computer Science for Engineers	3
BMEG 101	Introduction to Biomedical Eng	2	ENGL 110	Critical Reading & Writing	3
			---	Breadth 1	3
		14			17
Sophomore - Fall			Sophomore - Spring		
MATH 243	Analytical Geom & Calc C	4	MATH 305	Applied Math for CHEG & BMEG	3
CHEM 321	Organic Chemistry I	3	ELEG 305	Signals & Systems	3
CHEM 325	Organic Chemistry I Lab	1	PHYS 208	Fundamentals of Physics II	4
PHYS 207	Fundamentals of Physics I	4	BMEG 302	Quantitative Systems Physiology	3
BMEG 301	Quantitative Cellular Physiology	3	---	Breadth 2	3
BMEG 211	Cell & Tissue Laboratory I	2			
		17			16
Junior - Fall			Junior - Spring		
MSEG 302	Materials Science for Engineers	3	BMEG 311	Bioengineering Mechanics II	3
BMEG 310	Bioengineering Mechanics I	4	BMEG 420	Biological Transport Phenomenon	4
BMEG 330	Biomedical Instrumentation	4	BMEG 341	Biomedical Experimental Design & Analysis	3
BMEG 340	Biomedical Modeling & Simulation	3	BMEG 360	Biomedical Engineering Junior Design	2
---	Technical Elective 1	3	---	Technical Elective 2	3
		17			15
Senior - Fall			Senior - Spring		
BMEG 450	Biomedical Engineering Design	6	PHIL 444	Medical Ethics	3
---	Technical Elective 3	3	---	Technical Elective 4	3
---	Breadth 3	3	---	Technical Elective 5	3
---	Breadth 4	3	---	Technical Elective 6	3
			---	Breadth 5	3
		15			15
Total Credits					126