

Biomedical Engineering

Freshman

MATH 241	Analytic Geometry & Calculus A	4	MATH 242	Analytic Geometry & Calculus B
CHEM 103	General Chemistry I	4	CHEM 104	General Chemistry II
CISC 106	General Computer Science for Engr	3	BISC 207	Introductory Biology I
BMEG 101	Introduction to BME	2	ENGL 110	Critical Reading & Writing
***	Breadth 1	3		
		16		

Sophomore

MATH 243	Analytic Geometry & Calculus C	4	MATH 305	Applied Math for Chemical Engineers
CHEM 321	Organic Chemistry I	4	CHEM 322	Organic Chemistry II
BISC 208	Introductory Biology II	4	PHYS 208	Fundamentals of Physics II
PHYS 207	Fundamentals of Physics I	4	ELEG 305	Signals and Systems
			***	Breadth 2
		16		

Junior

MSEG 302	Materials Science for Engineers	3	CHEG 404	Engineering Probability & Statistics
CHEM 527	Introduction to Biochemistry	3	BMEG 330	Biomedical Instrumentation
BMEG 310	Bioengineering Mechanics I	4	BMEG 311	Bioengineering Mechanics II
BMEG 401	Systems Physiology I	3	BMEG 402	Systems Physiology II
***	Tech Elec 1	3	BMEG 320	Biological Transport Phenomena
		16		

Senior

BMEG 450	Biomedical Engineering Design	6	ELEG 479	Intro to Medical Imaging Systems
MSEG 460	Biomaterials & Tissue Engineering	3	PHIL 444	Medical Ethics
***	Breadth 3	3	***	Tech Elec 2
***	Breadth 4	3	***	Tech Elec 3
			***	Breadth 5
		15		

125 credits total

* For Technical Electives, see approved list at www.bme.udel.edu/academics/undergraduate

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