

BME UNDERGRADUATE TRACK: Biomolecular Curriculum (181 units)

FRESHMAN	units		units		Units
Fall		Winter		Spring	
MAT 21A: Calculus	4	MAT 21B: Calculus	4	MAT 21C: Calculus	4
CHE 2A: General Chemistry	5	CHE 2B: General Chemistry	5	CHE 2C: General Chemistry	5
BIM 1: Introduction to BME	1	ENG 6: Computer Problem Solving	4	PHY 9A: Classical Physics	5
UWP 1 or ENL 3: English Literature	4	CMN 1: Intro to Public Speaking	4	GE elective (4)	4
min units	14		17		18
SOPHOMORE					
Fall		Winter		Spring	
MAT 21D: Vector Analysis	4	MAT 22A: Linear Algebra	3	MAT 22B: Differential Equations	3
CHE 8A: Organic Chemistry	2	CHE 8B: Organic Chemistry	4	BIM 20: Fundamentals of Bioengineering	4
PHY 9B: Classical Physics	5	PHY 9C: Classical Physics	5	ENG 17: Circuits	4
GE elective	4	BIS 2A: Life on Earth	4	GE elective	4
min units	15		16		15
JUNIOR YEAR					
Fall		Winter		Spring	
BIM 105: Stats & Prob for BME	4	BIM 106: Biotransport	4	BIM108: Sig and Sys	4
BIM 116: Physiology	5	BIM 107: Math Methods	4	BIM 109: Biomaterials	4
EE: BIM 102 Quantitative Cell Bio	4	Eng 100: Elec Circuits/Sys	3	SE: NPB 100 Neurobiology	4
		EE: BIM 162 Quant Biomolec Eng	4	EE: BIM	4
min units	13		15		16
SENIOR YEAR					
Fall		Winter		Spring	
ENG105: Thermo	4	BIM 110A: Capstone Design	2	BIM 110B: Capstone Design	2
EE: BIM173 Tissue Engineering	4	BIM 111: Biomedical Instrum. Lab	6	ENG 190: Prof. Respons. Engrs.	3
SE: BIM 161A Biomolecular Eng	4	SE: BIM 161L Biomolec Eng Lab	2	EE: BIM140 Protein Engineering	4
GE Elective	4	GE Elective	4	GE Elective	4
min units	16		14		13