

BIOMEDICAL ENGINEERING PROGRAM: FIRST AND SECOND YEARS				
	SEMESTER I	SEMESTER II	SEMESTER III	SEMESTER IV
MATHEMATICS	MATH UN1102 (3)	APMA E2000 (4) and E2001 (0) either semester		
PHYSICS (three sequences, choose one)	UN1401 (3) UN1601 (3.5) UN2801 (4.5)	UN1402 (3) UN1602 (3.5) UN2802 (4.5)	UN1403 (3) UN2601 (3.5)	
CHEMISTRY (three sequences, choose one)	UN1403 (4) UN1604 (4) UN2045 (4)	UN1404 (4) UN1500 (3) (or semester 1) UN1507 (3) UN2046 (4), UN1507 (3)		
UNIVERSITY WRITING	CC1010 (3) either semester			
COMPUTER SCIENCE	ENGI E1006 (3) (or semester II)			
PHYSICAL EDUCATION¹	UN1001 (1)	UN1002 (1)		
THE ART OF ENGINEERING¹	ENGI E1102 (4) either semester			
NONTECHNICAL REQUIREMENTS¹	HUMA UN1121 (3) or UN1123 (3)		HUMA CC1001, COCI CC1101, or Global Core (3–4)	HUMA CC1002, COCI CC1102, or Global Core (3–4) ECON UN1105 (4) and UN1155 recitation (0)
TECHNICAL REQUIREMENTS			ELEN E1201 Intro. to EE (3.5) BIOL UN2005 Intro. to biology, I (4)	APMA E2101 (3) Intro. to applied math BIOL UN2006 (4) Intro to biology, II BMEN E2910 (3) ³ Intro to Biomedical Eng Design
TOTAL POINTS²	20	19	14.5	18

¹ Students can mix these requirements according to what is available.

² Estimations

³ Required for the Class of 2029 and beyond. For program information before Fall 2026, please view the 2025-2026 Bulletin.

BIOMEDICAL ENGINEERING: THIRD AND FOURTH YEARS				
	SEMESTER V	SEMESTER VI	SEMESTER VII	SEMESTER VIII
REQUIRED COURSES	BMEN E3010 (3) Biomedical eng., I BMEN E3810 (3) BME laboratory, I BMEN E4001 (3) Quantitative physiol., I BMEN E4110 (4) Biostat. for engineers	BMEN E3020 (3) Biomedical eng., II BMEN E3820 (3) BME laboratory, II BMEN E4002 (3) Quantitative physiol., II Technical elective (3) ¹	BMEN E3910 (4) BME design, I Technical elective (3) ¹ Technical elective (3) ¹ Technical elective (3) ¹	BMEN E3920 (4) BME design, II Technical elective (3) ¹ Technical elective (3) ¹¹
NONTECH ELECTIVES	3 points	3 points	3 points	
TOTAL POINTS	16	15	16	10

¹ Four of seven technical electives must have engineering content, and two of them must be from the Biomedical Engineering Department.