

BIOMEDICAL ENGINEERING  
Sample Five-Year schedule starting with Pre-Calculus

**Year One**

FALL		SPRING	
MATH 1650, Pre-Calculus	5	MATH 1710, Calculus I	4
BMEN 1300, Discover BMEN	3	BMEN 1400, Software for Biomed.	4
ENGL 1310 or TECM 1700, College Writing I or Intro. to Tech. Writing	3	TECM 2700, Tech. Writing	3
HIST 2610, American History I	3	HIST 2620, American History II	3
Total hours	14	Total hours	14

Destination Course

Math below Calculus

**Year Two**

FALL		SPRING	
MATH 1720, Calculus II	3	MATH 2730, Multi. Calculus	3
CHEM 1410 or 1415, Chemistry	3	BIOL 2301, Human Anatomy & Physiology	3
CHEM 1430 or 1435, Chemistry Lab	1	BIOL 2311, Human Anatomy and Physiology Lab	1
PSCI 2305, Federal Government/Political Science	3	PSCI 2306, State Government/Political Science	3
Creative Arts	3	Social Behavioral Science	3
Total hours	13	Total hours	13

**Year Three**

FALL		SPRING	
MATH 2700, Linear Algebra	3	MATH 3410, Differential Equations	3
BMEN 2210, DAQ Practices	3	BMEN 2320, Biomed. Instrumentation	3
PHYS 1710, Mechanics	3	Elective Track	3
PHYS 1730, Mechanics Lab	1	Elective Track	3
Language, Philosophy, & Culture	3	Total Hours	12
Total Hours	13		

**Year Four**

FALL		SPRING	
MATH 3680, Statistics and Probability	3	BMEN 3312, Intro. to Biomech.	3
BMEN 3310, Human Systems	3	BMEN 3321, Biomaterials	3
BMEN 3311, Signal Analysis	3	Elective Track	3
BMEN 3350, Transp. Phenom.	3	Elective Track	3
Total Hours	12	Total Hours	12

**Year Five**

FALL		SPRING	
BMEN 4310 Modeling	3	BMEN 4222, Senior Design II	3
BMEN 4212, Senior Design I	1	BMEN Elective	3
BMEN Elective	3	Total Hours	6
Track Elective	3		
Track Elective	3		
Total Hours	13		

No extra classes to reach full-time status