

BIOMEDICAL ENGINEERING
Sample Five-Year Schedule starting with Algebra

Year One

FALL		SPRING	
MATH 1100, Algebra	3	MATH 1650, Pre-Calculus	5
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
PSCI 2305, Federal Government/Political Science	3	PSCI 2306, State Government/Political Science	3
Total hours	12	Total hours	14

Destination Course

Math below Calculus

Year Two

FALL		SPRING	
MATH 1710, Calculus I	4	MATH 1720, Calculus II	3
BMEN 1300, Discover BMEN	3	BMEN 1400, Software for Biomed	4
CHEM 1410 or CHEM 1415, Chemistry	3	BIOL 2301, Human Anatomy & Physiology	3
CHEM 1430 or CHEM 1435, Chemistry Lab	1	BIOL 2311, Human Anatomy & Physiology Lab	1
Creative Arts	3	Social Behavioral Science	3
Total hours	14	Total hours	14

Year Three

FALL		SPRING	
MATH 2700, Linear Algebra	3	MATH 3410, Differential Equations	3
PHYS 1730, Mechanics	3	MATH 2730, Multi. Calculus	3
PHYS 1730, Mechanics Lab	1	BMEN 2320, Biomed. Instrumentation I	3
BMEN 2210, DAQ Practices	3	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. 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	Track Elective	3
Track Elective	3	Track Elective	3
Track Elective	3	Total Hours	12
Total hours	13		