

Biomedical Engineering

Year One - Eastern Oklahoma State College

FALL		SPRING		
MATH 2235, Calculus I	5	MATH 2245, Calculus II	5	
PSY 1113 OR SOC 1113, Intro to Psych or to Sociology	3	Creative Arts - see choices below	3	
ENGL 1113, Freshman Composition I	3	HIST 1483, American History to 1877	3	
HIST 1493, American History Since 1877	3	POLSC 1113, American Federal Government	3	
Total Hours		14	Total Hours	
		14		

Creative Arts substitutes, meets one Humanities requirement
 HUMAN 1133 Music in Life
 HUMAN 1143 Art in Life
 HUMAN 1163 Film Appreciation
 HUMAN 2103 Theatre Appreciation

Year Two - UNT

FALL		SPRING		
BMEN 1300, Discover Biomedical Engineering	3	BMEN 1400, Software for BMEN	4	
BMEN 2210, DAQ Practice	3	BMEN 2320, Biomedical Instrumentation	3	
MATH 2700, Linear Algebra	3	CHEM 1410/1430, General Chemistry I & Lab	4	
PHYS 1710/1730, Mechanics & Lab	4	MATH 2253 Differential Equations	3	
PSCI 2306, State Government	3			
Total Hours		16	Total Hours	
		16	14	

SUMMER	
CHEM 1420/1440, General Chemistry II & Lab	4
Total Hours	
4	

Year Three - UNT

FALL		SPRING		
BMEN 3310, Human Systems	3	BMEN 3312, Intro to Biomechanics	3	
BMEN 3311, Signal Analysis	3	BMEN 3321, Biomaterials	3	
BMEN 3350, Transport Phenomena	3	Elective Track Course	3	
Elective Track Course	3	MATH 3680, Applied Statistics	3	
MATH 2730, Multi. Calculus; or 3350, Num. Analysis	3	TECM 2700, Technical Writing	3	
Total Hours		15	Total Hours	
		15	15	

Year Four - UNT

FALL		SPRING		
BMEN 4212, Senior Design I	1	BMEN 4222, Senior Design II	3	
BMEN 4310, Biomedical Modeling	3	BMEN 4*** Elective	3	
BMEN 4*** Elective	3	BMEN 4*** Elective	3	
Elective Track Course	3	BMEN 4*** Elective	3	
Elective Track Course	3	Elective Track Course	3	
Total Hours		13	Total Hours	
		13	15	

Black = EOSC
Green = UNT