

Biomedical Engineering

Year One - Collin Community College

FALL		SPRING	
MATH 1314 or MATH 1414, College Algebra	3	MATH 2412, Pre-Calculus Math	4
ENGL 1301, Composition I	3	Government/Political Science Core Course	3
Creative Art Course	3	Social Behavioral Science Core Course	3
History Core Course	3	Language Philosophy Culture Core Course	3
Total Hours		12	Total Hours
			13

SUMMER

MATH 2413, Calculus I	4
Total Hours	4

Year Two- Collin Community College

FALL		SPRING	
MATH 2414, Calculus II	4	MATH 2318, Linear Algebra	3
CHEM 1411, General Chemistry I	4	PHYS 2425, University Physics I	4
ENGL 2311, Technical & Business Writing	3	Government / Political Science Core Course	3
History Core Course	3	MATH 2415, Calculus III	3
Total Hours		14	Total Hours
			13

Year Three - Concurrent Enrollment



Meet with the UNT CENG recruiter at the start of spring semester and apply to UNT.

FALL		SPRING	
BMEN 2210, DAQ Practice	3	Elective Track Course	3
BMEN 1300, Discover Biomedical Engineering	4	MATH 3410, Differential Equations	3
BIOL 2401, A & P, or CHEM 1412, General Chemistry II, or PHYS 2426, University Physics II	4	BMEN 1400, Software for BMEN	3
Elective Track Course	3	BMEN 2320, Biomedical Instrumentation	4
Total Hours		14	Total Hours
			13

Year Four - UNT

FALL		SPRING	
BMEN 3310, Human Systems	3	MATH 3680, Statistics and Probability	3
BMEN 3311, Signal Analysis	3	BMEN 3312, Intro to Biomechanics	3
BMEN 3350, Transport Phenomena	3	BMEN 3321, Biomaterials	3
Elective Track Course	3	Elective Track Course	3
Total Hours		12	Total Hours
			12

Year Five - UNT

FALL		SPRING	
BMEN 4310, Modeling	3	BMEN 4222, Senior Design II	3
BMEN 4212, Senior Design I	1	BMEN 4*** Elective	3
BMEN 4*** Elective	3	BMEN 4*** Elective	3
Elective Track Course	3	Total Hours	
Elective Track Course	3	9	

Total Hours	13
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Black = Collin Community College

Green = UNT

Total Hours 129