

Mechanical and Energy Engineering

Year One - Tarrant County College

FALL		SPRING	
MATH 1314, College Algebra	3	MATH 2412, Pre-Calculus Math	4
Government / Political Science Core Course	3	Government / Political Science Core Course	3
Language Philosophy Culture Core Course	3	History Core Course	3
ENGR 1201 Introduction to Engineering	2	Creative Arts Core Course	3
History Core Course	3	Total Hours	13
Total Hours	14		

Year One - Tarrant County College

FALL		SPRING	
MATH 2413, Calculus I*	4	MATH 2414, Calculus II*	4
CHEM 1411, General Chemistry I, or CHEM 1409, General Chemistry for Engineering Majors*	4	PHYS 2425, University Physics I*	4
ENGL 1301, Composition I	3	ENGL 2311, Technical & Business Writing	3
ENGR 1304, Engineering Graphics	3	Social Behavioral Science Core Course	3
Total Hours	14	Total Hours	14

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



Year Three - Concurrent Enrollment

FALL		SPRING	
MATH 2318, Linear Algebra	3	ENGR 2305, Electrical Circuits*	3
PHYS 2426, University Physics II*	4	MATH 2320, Differential Equations*	3
ENGR 2301, Mechanics I	3	ENGR 2302, Mechanics II	3
MATH 2415, Calculus III	4	ENGR 2332, Mechanics III	3
Total Hours	14	MEEN 2240 Programming for Mech. Eng.	3
		Total Hours	15

SUMMER	
MEEN 2110: Engineering Data Analysis	3
MEEN 2210: Thermodynamics I	3
Total Hours	6

Year Four - UNT

FALL		SPRING	
MEEN 3240, Laboratory I	2	MEEN 3230, System Dynamics and Controls	3
MEEN 3110, Thermodynamics II	3	MEEN 3130, Machine Elements	3
MEEN 3250, Analytical Methods	3	MEEN 3210, Heat Transfer	3
MTSE 3000, Fundamentals I	3	MEEN 3242, Laboratory II	1
MTSE 3003, Fundamentals I Lab	1	Technical Elective	3
MEEN 3120, Fluid Mechanics	3	Total Hours	13
Total Hours	15		

Year Five - UNT

FALL		SPRING	
MEEN 3100 Manufacturing Process	3	MEEN 4250 Capstone Design	3
Energy Engineering Elective	3		Total Hours 3
MEEN 4150 Design I	3		
Technical Elective	3		
Energy Engineering Elective	3		
	Total Hours	15	

Black = Tarrant County College

* = ME Field of Study

Green = UNT

Total Degree Hours

136