

Mechanical and Energy Engineering

Year One - Collin Community 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 1201 Introduction to Engineering	3	History Core Course	3	
History Core Course	3	Creative Arts Core Course	3	
Total Hours		17	Total Hours	
17				17
SUMMER				
Government / Political Science Core Course	3			
Language Philosophy Culture Core Course	3			
Total Hours				
6				

Year Two - Collin Community College

FALL		SPRING		
MATH 2318, Linear Algebra	3	MATH 2415, Calculus III*	3	
PHYS 2426, University Physics II*	4	MATH 2320, Differential Equations*	3	
ENGR 1304, Engineering Graphics	3	ENGR 2302, Mechanics II	3	
ENGR 2305, Electrical Circuits*	3	ENGR 2332, Mechanics III	3	
ENGR 2301, Mechanics I	3	Social Behavioral Science Core Course	3	
Total Hours		16	Total Hours	
16				15
SUMMER				
Government / Political Science Core Course	3			
Total Hours				
3				

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

Year Three - UNT

FALL		SPRING		
MEEN 2110, Engineering Data Analysis	3	MEEN 3110, Thermodynamics II	3	
MEEN 2210, Thermodynamics I	3	MEEN 3120, Fluid Mechanics	3	
MEEN 2240 Programming for Mech. Eng.	3	MEEN 3130, Machine Elements	3	
MTSE 3000, Fundamentals I	3	MEEN 3240, Laboratory I	2	
MTSE 3003, Fundamentals I Lab	1	MEEN 3250, Analytical Methods	3	
Total Hours		13	Total Hours	
13				14
SUMMER				
MEEN 3210, Heat Transfer	3			
MEEN 3230, System Dynamics and Controls	3			
Total Hours				
6				

Year Four - UNT

FALL		SPRING	
MEEN 3100 Manufacturing Process	3	MEEN 4250 Capstone Design	3

MEEN 3242, Laboratory II	1	Energy Engineering Elective	3
MEEN 4150 Design I	3	Technical Elective	3
Technical Elective	3		Total Hours 9
Energy Engineering Elective	3		
Total Hours	13		

Black = Collin Community College

* = ME Field of Study

Green = UNT

Total Degree Hours 129