

Mechanical and Energy Engineering

Year One - North Central Texas College

FALL		SPRING	
MATH 1314, College Algebra	3	MATH 2412, Pre-Calculus Math	4
Government / Political Science Core Course	3	Social Behavioral Science Core Course	3
ENGL 1310, Composition I	3	ENGL 2311, Technical Writing*	3
Creative Arts Core Course	3	History Core Course	3
Total Hours		12	Total Hours 13

Year Two - North Central Texas College

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

FALL		SPRING	
MATH 2413, Calculus I*	4	MATH 2414, Calculus II*	4
CHEM 1411, General Chemistry I	4	PHYS 2425, University Physics I*	4
Language Philosophy Culture Core Course	3	Government / Political Science Core Course	3
MEEN 1000, Discover Mech. And Energy	2	ENGR 1304, Engineering Graphics	3
Total Hours		13	Total Hours 14

Year Three - Concurrent Enrollment

FALL		SPRING	
PHYS 2426, University Physics II*	4	ENGR 2405 or EENG 2610, Electrical Circuits	3
MATH 2415, Calculus III*	3	MEEN 2302, Mechanics II*	3
MATH 2700, Linear Algebra	3	MATH 3410, Differential Equations	3
MEEN 2301, Mechanics I *	3	MEEN 2332, Mechanics III*	3
MEEN 2240 Programming for Mech. Eng.	3	MEEN 2110, Engineering Data Analysis	3
Total Hours		16	Total Hours 15

Summer

MEEN 2210, Thermodynamics I	3
Total Hours	3

Year Four - UNT

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

Year Five - UNT

FALL		SPRING	
MEEN 3100 Manufacturing Process	3	MEEN 4250 Capstone Design	3
MEEN 4150 Design I	3	Technical Elective	3
Technical Elective	3	Energy Elective	3
Energy Engineering Elective	3	Total Hours 9	
Total Hours		12	

Black = North Central Texas College

* = ME Field of Study

Green = UNT

Total Degree Hours 135