

## Mechanical and Energy Engineering

### Year One - North Central Texas College

FALL		SPRING	
MATH 2413, Calculus I*	4	MATH 2414, Calculus II*	4
CHEM 1411, General Chemistry I	4	PHYS 2425, University Physics I*	4
ENGL 1301, Composition I	3	ENGL 2311, Technical Writing	3
Government / Political Science Core Course	3	History Core Course	3
History Core Course	3	Creative Arts Core Course	3
<b>Total Hours</b>		<b>17</b>	

SUMMER	
PHYS 2426, University Physics II*	4
Language Philosophy Culture Core Course	3
<b>Total Hours</b>	<b>7</b>

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

### Year Two - Concurrent Enrollment

FALL		SPRING	
Government / Political Science Core Course	3	ENGR 2405 or EENG 2610, Electrical Circuits	3
MATH 2415, Calculus III*	3	MEEN 2301, Mechanics I*	3
Social Behavioral Science Core Course	3	MATH 3410, Differential Equations	3
MATH 2700, Linear Algebra	3	ENGR 1304, Engineering Graphics	3
MEEN 1000, Discover Mech. And Energy	2	<b>Total Hours</b>	
<b>Total Hours</b>		<b>12</b>	

SUMMER	
MEEN 2302, Mechanics II*	3
MEEN 2332, Mechanics III*	3
<b>Total Hours</b>	<b>6</b>

### 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
<b>Total Hours</b>		<b>13</b>	
<b>Total Hours</b>		<b>14</b>	

SUMMER	
MEEN 3210, Heat Transfer	3
MEEN 3230, System Dynamics and Controls	3
<b>Total Hours</b>	<b>6</b>

### 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	<b>Total Hours</b>	
Energy Engineering Elective	3	<b>9</b>	
<b>Total Hours</b>		<b>13</b>	

Black = North Central Texas College

\* = ME Field of Study

Green = UNT

Total Degree Hours      **128**