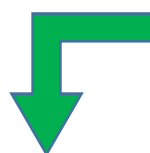


# Materials Science and Engineering

## Year One - Collin Community College

FALL		SPRING		
MATH 2413, Calculus I	4	MATH 2414, Calculus II	4	
CHEM 1411, General Chemistry I	4	CHEM 1412, General Chemistry II	4	
ENGL 1310, Composition I	3	PHYS 2425, University Physics I	4	
ENGR 1201, Introduction to Engineering	3	ENGL 2311, Technical & Business Writing	3	
History Core Course	3	History Core Course	3	
<b>Total Hours</b>		<b>17</b>	<b>Total Hours</b>	
		<b>Summer</b>		
		Government / Political Science Core Course	3	
		Creative Arts Core Course	3	
		<b>Total Hours</b>		
		<b>6</b>		



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

## Year Two - Concurrent Enrollment

FALL		SPRING		
MATH 2415, Calculus III	4	Language Philosophy Culture Core Course	3	
PHYS 2426, University Physics II	4	MTSE 3000, Fundamentals I	3	
ENGR 2301, Engineering Mechanics I	3	MTSE 3001, Fundamentals II	3	
Government / Political Science Core Course	3	MATH 3410, Differential Equations	3	
Social Behavioral Science Core Course	3	PHYS 3010, Modern Physics	3	
<b>Total Hours</b>		<b>17</b>	<b>Total Hours</b>	
		<b>15</b>		

## Year Three - UNT

FALL		SPRING		
MTSE 3010, Bonding and Structure	3	MTSE 3050, Mechanical Properties	3	
MTSE 3020, Micro and Characterization	3	MTSE 3060, Phase Transformations	3	
MTSE 3030, Thermo & Phase Diagrams	3	MTSE 3070, Electrical, Optical, & Magnetic Props.	3	
MTSE 3040, Transparent Phenomena	3	MTSE 3080, Materials Processing	3	
MTSE 3090, Laboratory I	1	MTSE 3100, Laboratory II	1	
<b>Total Hours</b>		<b>13</b>	<b>Total Hours</b>	
		<b>13</b>		

## Year Four - UNT

FALL		SPRING		
MTSE 4010, Physical Metallurgy Principles	3	MTSE Advanced Level Elective	3	
MTSE 4030, Ceramic Science & Engineering	3	MTSE Advanced Level Elective	3	
MTSE 4060, Materials Selection and Performance	3	MTSE 4050, Polymer Science & Engineering	3	
MTSE 4090, Senior Design I	3	MTSE 4100, Senior Design II	3	
<b>Total Hours</b>		<b>12</b>	<b>Total Hours</b>	
		<b>12</b>		

Black = Collin Community College

Green = UNT

Total Degree Hours

123