

## Materials Science and Engineering

### Year One - Eastern Oklahoma State College

FALL		SPRING	
MATH 2235, Calculus I	5	MATH 2245, Calculus II	5
ENGL 1113, Freshman Composition I	3	POLSC 1113, American Federal Government	3
HIST 1483, American History to 1877	3	HIST 1493, American History from 1877	3
PSY 1113 OR SOC 1113, Intro to Psych or to Sociology	3	Creative Arts, see options below	3
<b>Total Hours</b>		<b>14</b>	
		<b>Total Hours</b>	
		<b>14</b>	

SUMMER	
Humanities	3
<b>Total Hours</b>	
<b>3</b>	

Creative Arts options  
 HUMAN 1133 Music in Life  
 HUMAN 1143 Art in Life  
 HUMAN 1163 Film Appreciation  
 HUMAN 2103 Theatre Appreciation

### Year Two - UNT

FALL		SPRING	
CHEM 1410, General Chemistry	3	CHEM 1420, General Chemistry II	3
CHEM 1430, General Chemistry Lab	1	PHYS 2220, Electricity and Magnetism	3
PHYS 1710, Mechanics	3	PHYS 2240, Electricity and Magnetism Lab	1
PHYS 1730, Mechanics Lab	1	MTSE 3000, Fundamentals I	3
MTSE 1100, Discover Materials	3	MTSE 3001, Fundamentals II	3
MATH 2730, Multivariable Calculus	3	MATH 2253, Differential Equations	3
<b>Total Hours</b>		<b>14</b>	
		<b>Total Hours</b>	
		<b>16</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
ENGR 2301, Engineering Mechanics I	3	TECM 2700, Technical Writing	3
<b>Total Hours</b>		<b>16</b>	
		<b>Total Hours</b>	
		<b>16</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
PSCI 2306, US & Texas Constitutions & Institutions	3	PHYS 3010, Modern Physics	3
<b>Total Hours</b>		<b>15</b>	
		<b>Total Hours</b>	
		<b>15</b>	

**Black = EOSC**

**Green = UNT**

Total Hours = 123