

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	
Total Hours		14	Total Hours	
		14		

SUMMER	
Humanities	3
Total Hours	
6	

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	
Total Hours		14	Total Hours	
		14	16	

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	
Total Hours		16	Total Hours	
		16	16	

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	
Total Hours		15	Total Hours	
		15	15	