

UNT Materials Science and Engineering and TWU Mathematics - Dual Progr

Contact TWU for listing of additional MATH courses required to earn Mathematics degree

Year One

FALL		SPRING	
MATH 2014, Calculus I	4	MATH 2024, Calculus II	4
CHEM 1113, General Chemistry I	3	CHEM 1123, General Chemistry II	3
CHEM 1111, General Chemistry I Lab	1	CHEM 1121, General Chemistry II Lab	3
ENG 1013, Composition I	3	HIST 1023, U.S. History II	3
HIST 1013, U.S. History I	3	Creative Arts	3
GOV 2013, U.S. Government	3	GOV 2023, Texas Government	3
Total hours	17	Total hours	16

Year Two

FALL		SPRING	
MATH 3123, Differential Equations	4	MATH 3104, Calculus III	4
PHYS 2153, General Physics I	3	PHYS 2163, General Physics II	3
PHYS 2151, General Physics I Lab	1	PHYS 2161, General Physics II Lab	1
Social and Behavioral Science	3	Language Philosophy and Culture	3
MTSE 1100, Discover Materials	3	MTSE 3000, Fundamentals I	3
TECM 2700, Technical Writing	3	MTSE 3001, Fundamentals II	3
Total hours	17	Total hours	17

Year Three

FALL		SPRING	
PHYS 3010, Modern Physics	3	MTSE 3050, Mechanical Properties	3
MTSE 3010, Bonding and Structure	3	MTSE 3060, Phase Transformations	3
MTSE 3020, Microstructure	3	MTSE 3070, Electrical, Optical, Magnetic	3
MTSE 3030, Thermodynamics	3	MTSE 3080, Materials Processing	3
MTSE 3040, Transport Phenomena	3	MTSE 3100, Lab II	1
MTSE 3090, Lab I	1	ENGR 2301, Statics	3
Total hours	16	Total hours	16

Year Four

FALL		SPRING	
MTSE 4010, Physical Metallurgy	3	MTSE 4060, Materials Selection	3
MTSE 4030, Ceramics	3	MTSE 4100, Senior Design II	3
MTSE 4050, Polymers	3	MTSE Elective	3
MTSE 4090, Senior Design I	3	MTSE Elective	3
Total hours	12	Total hours	12

UNT Course

TWU Course

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