

Bachelor of Science – Engineering Leadership

Degree Plan - Metallurgical and Materials Engineering Sequence (checklist)

2017 & 2018

Catalog: 2017-2018 & 2018-2019

Expires: 08/01/2024 & 08/01/2025

Last Name _____

First Name _____ M.I. _____

UTEP ID _____

NOTE: Overall GPA ≥ 2.0 AND In-Major GPA ≥ 2.0 REQUIRED for graduation

A Core Curriculum (45 SCH) (minimum of "C" grade required)				Semester Completed	Final Grade	SCH	Sub #
1 Communication (6 credit hours required)							
RWS 1301*	Rhetoric and Composition I						
RWS 1302*	Rhetoric and Composition II						
2 Mathematics (4)							
MATH 1411*	Calculus I						
3 Life and Physical Sciences (8)							
PHYS 2420*	Introductory Mechanics						
PHYS 2421*	Introductory Electromagnetism						
4 Language, Philosophy, and Culture (3)							
PHIL 2306*	Ethics*						
5 Creative Arts (3) Circle the one you chose:							
ART 1300*, ARTH 1305*, 1306*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, THEA 1313*							
6 American History (6)							
HIST 1301*	History of the U.S. to 1865						
HIST 1302*	History of the U.S. since 1865						
7 Government/Political Science (6)							
POLS 2310*	Introduction to Politics						
POLS 2311*	American Govt. & Politics						
8 Social and Behavioral Sciences (3)							
CE 2326*	Econ. For Engrs & Scientists						
9 Component Area Option (6)							
UNIV 1301*	Foundations of Engineering						
COMM 1302*	Business/Profession Comm						

C Engineering Leadership Coursework (28 SCH)				Semester Completed	Final Grade	SCH	Sub #
EL 1405 ^a	Fundamentals of Eng. Leadership and Graphics						
EL 1302*	Intro to Eng. Design & Leadership						
EL 3003	Professional Practice I						
EL 3005	Professional Practice II						
EL 2301*	Modeling and Simulation						
EL 3302*	Engineering Measurements						
EL 3304*	Engineering Design: Products to People						
EL 3331*	Engineering Design: People to Products						
EL 3373 ^b	Engineering Probability & Stat. Models						
EL 4395*	Capstone Design I: Definition & Exploration						
EL 4396*	Capstone Design II: Development & Evaluation						

D MME Sequence Required Courses (16 SCH)				Semester Completed	Final Grade	SCH	Sub #
CE 2377	Electro Mechanical Systems						
MME 3309	Electronic Mat Sci & Tech						
MME 3312	Biomat, Biomat Prntng & Dev						
MME 2303	Intro to Materials Sci & Engrg						
MME 2434	Mechanics of Materials						

E Major: Concentration Courses (12 SCH) for Metallurgical and Materials Engineering Sequence				Semester Completed	Final Grade	SCH	Sub #

B Foundational Math & Science (12 SCH)				Semester Completed	Final Grade	SCH	Sub #
MATH 1312*	Calculus II						
MATH 2313*	Calculus III						
MATH 2326*	Differential Equations						
CHEM 1305*	General Chemistry						

F Upper Division Engineering Technical Electives (9 SCH) see advisor for approved courses				Semester Completed	Final Grade	SCH	Sub #
MME 4309	Corrosion						
MME 4316	Failure Analysis						

SUBSTITUTIONS** (add lines as necessary)			
Sub #	Course on degree plan to substitute	Institution where course was taken	Course as it appears on UTEP Transcript
example	EL 1302	other university	ENGR 13TR
1			
2			
3			
4			

H Upper Division Math/Science Elective (3 SCH) See advisor for approved courses				Semester Completed	Final Grade	SCH	Sub #
MATH 3323	Matrix Algebra (Recommended)						

Total Hours	125
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NOTES:

- * -- C or better required
- ** -- requires submission of official substitution form.
- a -- CE 1205 may be substituted upon pre-approval.
- b -- IE 3373 may be substituted.

APPROVALS:	
ADVISOR	DATE
CHAIR	DATE