

Bachelor of Science – Metallurgical and Materials Engineering

Degree Plan (checklist)

2023

Catalog: 2022-2023

Expires: 08/01/2029

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 (44 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 (7)					
CHEM 1305*+1105*	General Chemistry				
CHEM 1306*	General Chemistry				
4 Language, Philosophy, and Culture (3) Select and circle one:					
AFST 2300*, CHIC 2302*, ENGL 2311*, 2312*, 2313*, 2314*, 2318*, FREN 2322*, HIST 2301*, 2302*, PHIL 1301*, 2306*, RS 1301*, SPAN 2340*, WS 2300*, 2350*					
5 Creative Arts (3) Select and circle one:					
ART 1300*, ARTH 1305*, 1306*, CHIC 1311*, DANC 1304*, FILM 1390*, MUSL 1324*, 1327*, 2321*, 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) -- all 6 SCH must be completed at the same institution					
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)					
COMM 1302*	Business/Prof. Communication				
COMM 1301*, CS 1310*, CS1320*, EL 1301*, 1300*, SCI 1301*, UNIV 1301*	LEAD				

B Foundational Math & Science (17 SCH)		Semester Completed	Final Grade	SCH	Sub #
MATH 1312*	Calculus II				
MATH 2313*	Calculus III				
MATH 2326*	Differential Equations				
PHYS 2320*+2120*	Introductory Mechanics				
PHYS 2421*+2121*	Fields and Waves				

SUBSTITUTIONS**				
#	Course on degree plan to substitute	Institution where course was taken	Name of Course as it appears on UTEP Transcript	Course as it appears on UTEP Transcript
1				
2				
3				
4				

C Major: Required Lower Division Courses (16 SCH)		Semester Completed	Final Grade	SCH	Sub #
MME 1405*	Introduction to Metallurgical and Materials Engr				
MME 1205*	Graphic and Design Fundamentals				
MME 2303*	Introduction to Materials Science and Engineering				
MME 2305*	Material and Energy Balance				
MME 2434*	Mechanics of Materials				

D Major: Required Upper Division Courses (39 SCH)		Semester Completed	Final Grade	SCH	Sub #
MME 3195*	Junior Professional Orientation				
MME 3306*	Rate Processes in Materials System				
MME 3308*	Applied Chemical Thermodynamics				
MME 3309*	Circuits, Electronic Materials and Devices				
MME 3406*	Nanofunctional Physical Metallurgy				
MME 3407*	Mechanical Behavior of Materials				
MME 3413	Materials Characterization				
MME 4303*	Metals Processing				
MME 4309*	Corrosion				
MME 4316*	Failure Analysis				
MME 4404*	Mat. Synthesis & Manufacturing				
MME 4219*	Senior Design Project 1				
MME 4220*	Senior Design Project 2				

E Concentration Elective Courses (12 SCH)		Semester Completed	Final Grade	SCH	Sub #
Select 4 courses					

NOTES:

* -- C or better required

** -- official substitution form available at <https://www.utep.edu/engineering/student-resources/student-resources-forms.html>

BSMME Total Hours	128
--------------------------	------------

APPROVALS:	
ADVISOR	DATE
CHAIR	DATE