

Bachelor of Science – Metallurgical and Materials Engineering Degree Plan (checklist)

2022

Catalog: 2021-2022
Expires: 08/01/2028

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	Final		
		Completed	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:					
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*, 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) -- 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)					
UNIV 1301* or CS 1310*	Foundations of Engineering or Intro-Computational Thinking				
COMM 1302*	Business/Prof. Communications				

B Foundational Math & Science (17 SCH)		Semester	Final		
		Completed	Grade	SCH	Sub #
MATH 1312*	Calculus II				
MATH 2313*	Calculus III				
MATH 2326*	Differential Equations				
PHYS 2420*	Introductory Mechanics				
PHYS 2421*	Fields and Waves				

SUBSTITUTIONS**				
Sub #	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	Final	Sub
		Completed	Grade	SCH #
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	Final	Sub
		Completed	Grade	SCH #
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	Final	Sub
Select 4 courses		Completed	Grade	SCH #

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