2024

Bachelor of Science - Engineering Innovation and Leadership Degree Plan - Materials & Metallurgical Engineering Concentration (checklist)

First Name

Last Name

Catalog: 2023-2024 Expires: 08/01/2030

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#	C Engineering Leader	C Engineering Leadership Coursework (25 SCH)			SCH	Sub#
1 Communication (6 credit hours required)							EL 1402*	Fund of Leadership, Design and Graphics	Completed	Grade	0011	Cub II
RWS 1301*	Rhetoric and Co				l l		EL 2301*	Modeling and Simulation				
RWS 1302*	Rhetoric and Co	•					EL 3302*	Engineering Measurements				
2 Mathematics (4)	Tanotonio ana oo	pooluo			<u> </u>	l.	EL 3003*	Professional Practice I				
MATH 1411* Calculus I					1		EL 3005*	Professional Practice II				
3 Life and Physical Sciences (8)					<u> </u>		EL 3331*	Engineering Design: People to Products				
PHYS 2320*					<u> </u>	1	EL 3332*	Engineering Entrepreneurship: Products to People				
PHYS 2120*	Laboratory for P						EL 3373* or IE 3373	Engineering Probability & Stat. Models				
PHYS 2321*	Introductory Elet						or EE 3384	Engr Probability & Stat Models				
PHYS 2121*	Laboratory for P						EL 4395*	Capstone Design I: Definition & Exploration				
4 Language, Philosop					l	ı	EL 4396*	Capstone Design II: Development & Evaluation				
PHIL 2306* Ethics					1		D MMEConcentration		Semester	Final		
5 Creative Arts (3)					l		D WINIEGONGCHU GUO	1(10 0011)	Completed	Grade	SCH	Sub#
Select and circle one:							CE 2377 or		Completed	Olddo	0011	Оць #
ART 1300*, ARTH 1305*, 1306*, CHIC 1311*, DANC 1304*,					Г	1	IE 2377 or	Electro Mechanical Systems				
FILM 1390*, MUSL 1324*, 1327*, 2321*, THEA 1313*							MECH 2342	Liectio Mechanical Systems				
6 American History (6)							MME 2303	Intro to Materials Sci & Engrg				
	/	C +- 400F		1	1	ı						
HIST 1301* HIST 1302*	History of the U.						MME 2434	Mechanics of Materials				
	History of the U.					<u>. </u>	MME 4316	Failure Analysis	ļ			
7 Government/Politica			npieted at the	same in	Stitution	1	E M : E 1 : 0	(45.001)				
POLS 2310*	Introduction to Politics							E Major: Emphasis Courses (15 SCH)		Final		
POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3)							for MMEConcentration		Semester	Grade	0011	0 1 "
		0.0 : ": 1				1			Completed		SCH	Sub#
CE 2326*	Econ. For Engrs	& Scientists										
9 Component Area O		0.1 1.1			1	1						
EL 1301*	Eng. Innovation											
CS 1320* ^a	Computer Progra	amming Sci. / Engr.										
			_									
IB Foundational Math & Science (12 SCH)			Semester	Final			E 11 B: : : 101	E.T. 1 : 151 % (40.001)				
			Completed	Grade	SCH	Sub#	* * *	E Technical Electives (12 SCH)	Semester	Final		
	HEM 1305* General Chemistry						see advisor for ap	proved courses	Completed	Grade	SCH	Sub#
MATH 1312*												
	MATH 2313* Calculus III											
MATH 2326* Differential Equations												
		(2.2.21.1)	-									
Com			Semester	Final								
			Completed	Grade	SCH	Sub#			BSEL Total I	Hours		125
MATH 3323*	Matrix Algebra											
								uired for CS Concentration				
SUBSTITUTIONS**							* C or better require					
	where			Course as it appears				on of official substitution form available at				
# Course on degree			appears on	ears on on UTEP Transcript		https://www.utep.edu/engineering/student-resources/student-resources-forms.html						
plan to substitute			pript Circuit Transcript		loonpt							
ex EL 1402	Other			ENGR 1	IGR 14TR		APPROVALS:					
1												
2							ADVISOR			DATE		
	-						ADVISOR			DAIL		
3	 											
4							CHAIR			DATE		
											Rev.06-	09-2023