## 2024

## Bachelor of Science — Engineering Innovation and Leadership Degree Plan - Mechanical Engineering Concentration (checklist)

First Name

Last Name

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

M.I.

UTEP ID NOTE: Overall GPA ≥ 2.0 AND In-Major GPA ≥ 2.0 REQUIRED for gradu											duation	
A Core Curriculum (45 SCH)			Semester	Final			C Engineering Leader	rship Coursework (25 SCH)	Semester	Final		
(minimum of "C" grade required)			Completed	Grade	SCH	Sub#	C Engineering Leader	iship dodisework (25 Sorr)	Completed	Grade	SCH	Sub#
1 Communication (6	Completed	Orauc			EL 1402*	Fund of Leadership, Design and Graphics	Completed	Oldde	0011	ουυ π		
RWS 1301*	Rhetoric and C		1	1		1	EL 2301*	Modeling and Simulation				
RWS 1301*	Rhetoric and C						EL 3302*	•				
2 Mathematics (4)	Knetone and C	composition ii		<u> </u>			EL 3003*	Engineering Measurements Professional Practice I				
MATH 1411*	Calculus I		1	T			EL 3005*					
3 Life and Physical Sciences (8)				<u> </u>		l .	EL 3331*	Professional Practice II				
			1	ı	_	Г		Engineering Design: People to Products				
	Introductory Mechanics Laboratory for PHYS 2320						EL 3332*	Engineering Entrepreneurship: Products to People				
PHYS 2120*								Engineering Probability & Stat. Models				
PHYS 2321*		ectromagnetism					or EE 3384	Engr Probability & Stat Models				
PHYS 2121*	Laboratory for						EL 4395*	Capstone Design I: Definition & Exploration				
4 Language, Philos		e (3)	,	1			EL 4396*	Capstone Design II: Development & Evaluation				
PHIL 2306*	Ethics											
5 Creative Arts (3)							D MechanicalConcer	ntration Required Courses (13 SCH)	Semester	Final		
Select and circle									Completed	Grade	SCH	Sub#
ART 1300*, ARTH 1305*, 1306*, CHIC 1311*, DANC 1304*,							MECH 1321	Mechanics I - Statics				
FILM 1390*, MUSL 1324*, 1327*, 2321*, THEA 1313*							MECH 2103	Engineering Computations				
6 American History (6)							MECH 2311	Intro to Thermal-Fluid Science				
HIST 1301*	History of the I	J.S. to 1865					MECH 2322	Mechanics of Materials				
HIST 1302*	History of the I	J.S. since 1865					MECH 2340	Mechanics II - Dynamics				
7 Government/Polit		- all 6 SCH must be con	mpleted at the	same in	stitution			<b>,</b>	1			
POLS 2310* Introduction to Politics							E Emphasis Course	s (15 SCH)				
POLS 2311* American Govt. & Politics							for Mechanical Concentration		Semester	Final		
8 Social and Behavioral Sciences (3)				<u> </u>		ı	ioi moonamoai ooi	incontraction	Completed	Grade	SCH	Sub#
CE 2326*	Econ. For Eng		1						Compicted		0011	Oub #
9 Component Area		13 & OCIETIUSIS		<u> </u>		ı						
EL 1301* Eng. Innovation & Leadership		ı	Г		Г							
CS 1320* <sup>a</sup>	Computer Pro	gramming Sci. / Engr.										
B Foundational Math & Science (12 SCH)			Semester	Final			E M 1 1 1 1 1 1 1	. 151 (. (40.001))	Semester	Final		
` '			Completed	Grade	SCH	Sub#		F Mechanical Technical Electives (12 SCH)			0011	0 . "
CHEM 1305*								see advisor for approved courses		Grade	SCH	Sub#
MATH 1312*	L .						MECH 3312	Thermodynamics				
MATH 2313* Calculus III						MECH 3354	Fluid Mechanics					
MATH 2326* Differential Equations							MECH 4315	Heat Transfer				
							MECH ELECTIVE					
H Upper Division M	ath/Science Flec	tive (3 SCH)	Semester	Final	SCH	Sub#						
		, ,	Completed	Grade	0011	ous n			BSEL Total	lours		125
MATH 3323*	Matrix Algebra	l										
							<ul> <li> C or better require</li> </ul>	ed				
SUBSTITUTIONS**							** requires submissi	ion of official substitution form available at				
	where Course as it appears						https://www.utep.edu/	engineering/student-resources/student-resources-fo	rms.html			
# Course on degree		Course as it appears										
	course was Name of Course as it appears on taken UTEP Transcript on UTEP Transcript		script	APPROVALS:								
							APPROVALS.					
ex EL 1402	Other			ENGR 1	4TR							
1						1	ADVISOR			DATE		
2												
3	1						CHAIR			DATE		
_	+						OHAIN			DAIL		
4				<u> </u>								
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