



E-Lead Advising Form

Engineering Education and Leadership

(915) 747-8427 | eelfrontdesk@utep.edu | Engineering Building, Room E-230

Student Name:	
UTEP ID#	
UTEP email:	
Cell Phone #:	

<u>Status:</u> <input type="checkbox"/> Freshman <input type="checkbox"/> Sophomore <input type="checkbox"/> Junior <input type="checkbox"/> Senior <input type="checkbox"/> Transfer Student, from EPCC	<u>Intended Sequence:</u> <input type="checkbox"/> General <input type="checkbox"/> Computer Science (CS) <input type="checkbox"/> Engineering Mechanics (EM) <input type="checkbox"/> Electrical Engineering (EE) <input type="checkbox"/> Biomedical Engineering (BME) <input type="checkbox"/> Metallurgical & Materials Engineering (MME)	<u>Priorities / Time Commitments:</u> _____ School Hours (in class) _____ Study Hours (out of class) _____ Work Hours _____ Other <u>Explanation:</u>
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RECOMMENDED COURSES

Notes	Subject	Course #	CRN	Course Title/ Description/ Notes	Term
EXAMPLE	MATH	1508	12345	Calculus ----- EXAMPLE	Fall 2019
EXAMPLE	UNIV	1301	54321	Foundation of Engineering ----- EXAMPLE	Fall 2019

FOCUS OF MAJOR CONCENTRATION COURSES

Advisor Comments:

Transfer Credit = TC
 AP Credit = AP

OFFICE USE ONLY

<u>APPROVAL:</u> Advisor: Date: Signature:	<input type="checkbox"/> LD Advising Hold Removed: _____ <input type="checkbox"/> Other Hold Removed: Registered By _____
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Bachelor of Science – Engineering Leadership

Degree Plan - Metallurgical and Materials Engineering Sequence (checklist)

2019

Catalog: 2019-2020

Expires: 08/01/2026

Last Name _____

First Name _____ M.I. _____

UTEP ID _____

NOTE: Overall GPA \geq 2.0 AND In-Major GPA \geq 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				

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				

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			

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 3331*	Engineering Design: People to Products				
EL 3332*	Engineering Design: Products to People				
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 2303	Intro to Materials Sci & Engrg				
MME 2434	Mechanics of Materials				
MME 3309	Electronic Mat Sci & Tech				
MME 3312	Biomat, Biomat Prntng & Dev				

E Major: Concentration Courses (12 SCH) for Metallurgical and Materials Engineering Sequence		Semester Completed	Final Grade	SCH	Sub #
MME 2305	Material & Energy Balance				

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				

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

Total Hours 125

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 _____

University of Texas at El Paso
 Engineering Education & Leadership Dept.
 Phone: (915) 747-8427 || eel.utep.edu

Semester Breakdown

Year	Fall Semester			Hrs.	Spring Semester			Hrs.
Year One								
Total Semester Hours					Total Semester Hours			
Year Two								
Total Semester Hours					Total Semester Hours			
Year Three								
Total Semester Hours					Total Semester Hours			
Year Four								
Total Semester Hours					Total Semester Hours			
	Summer 1				Summer 2			
Total 125 Credit Hrs.								

Student Notes: _____

Advisor Notes: _____
