



E-Lead Advising Form

Engineering Innovation 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 Concentration:</u> <input type="checkbox"/> Engineering Innovation <input type="checkbox"/> Biomedical Engineering (BME) <input type="checkbox"/> Civil Engineering (CE) <input type="checkbox"/> Computer Science (CS) <input type="checkbox"/> Electrical Engineering (EE) <input type="checkbox"/> Mechanical Engineering <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
<i>EXAMPLE</i>	<i>MATH</i>	<i>1508</i>	<i>12345</i>	<i>Calculus ----- EXAMPLE</i>	<i>Fall 2019</i>
<i>EXAMPLE</i>	<i>UNIV</i>	<i>1301</i>	<i>54321</i>	<i>Foundation of Engineering ----- EXAMPLE</i>	<i>Fall 2019</i>

FOCUS OF EMPHASIS 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 Innovation and Leadership Degree Plan Electrical Engineering Concentration (checklist)

2020

Catalog: 2020-2021

Expires:

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 (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				
CS 1320*	Comp. Programming for Sci/Engr				

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 Electrical Engineering Concentration Required Courses (16 SCH)		Semester Completed	Final Grade	SCH	Sub #
CS 1320	Computer Programming Sci/Engr				
EE 2372	Software Design I				
EE 2369 & EE 2169	Digital Systems Design I and Laboratory for EE 2369				
EE 2350	Electric Circuits I				
EE 2351	Electric Circuits II				

E Major: Emphasis Courses (12 SCH) for Electrical Engineering Concentration		Semester Completed	Final Grade	SCH	Sub #

F Upper Division Electrical Engr Technical Electives (9 SCH) see advisor for approved courses		Semester Completed	Final Grade	SCH	Sub #
EE 3321 or EE 2353	Electromagnetic Field Theory Cont. Time Signals & Systems				

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
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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: _____
