

Bachelor of Science – Electrical Engineering Degree Plan (checklist)

2022

Catalog: 2021-22
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 (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) 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				
CS 1320*	Computer Programming Sci. / Engr.				

B Foundational Math & Science (15 SCH)		Semester Completed	Final Grade	SCH	Sub #
MATH 1312*	Calculus II				
MATH 2313*	Calculus III				
MATH 2326*	Differential Equations				
MATH 3323*	Matrix Algebra				
CHEM 1305*, BIOL 1305*, or MATH 2300*					

C Major: Required Lower Division Courses (21 SCH)		Semester Completed	Final Grade	SCH	Sub #
EE 1105*	Lab for EE 1305				
EE 1305*	Intro to EE				
EE 2369*	Digital Systems Design I				
EE 2169*	Lab for EE 2369				
EE 2372*	Software Design I				
EE 2350*	Electric Circuits I				
EE 2351*	Electric Circuits II				
EE 2151*	Lab for EE 2351				
EE 2353*	Cont. Time Signals & Systems				

D Major: Required Upper Division Courses (32 SCH)		Semester Completed	Final Grade	SCH	Sub #
EE 3138*	Lab for EE 3338				
EE 3176*	Lab for EE 3376				
EE 3195*	Junior Professional Orientation				
EE 3321*	Electromagnetic Field Theory				
EE 3325*	Applied Quantum Mechanics for EEs				
EE 3329*	Foundations of Semiconductor Devices				
EE 3338*	Electronics I				
EE 3340*	Electronics II				
EE 3353*	Discrete Time Signals & Sys.				
EE 3376*	Microprocessor Systems I				
EE 3384	Probabilistic Methods-Engr/Sci				
EE 41__	Senior-level Lab				
EE 4220*	Senior Project Lab I				
EE 4230	Senior Project Lab II				

E Major: Concentration Courses (12 SCH)		Semester Completed	Final Grade	SCH	Sub #
see advisor for list of concentrations & approved courses within concentration.					

F Technical Elective (3 SCH)		Semester Completed	Final Grade	SCH	Sub #
see advisor for approved courses					

* -- C or better required
 ** Official substitution form available <https://www.utep.edu/engineering/student-resources/student-resources-forms.html>

SUBSTITUTIONS**				
#	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				

BSEE Total Hours 128

APPROVALS:	
ADVISOR	DATE
CHAIR	DATE