

Electrical Engineering (Bachelor of Science) from Texas A&M University-Texarkana

Graduation Plan - Recommended Course Sequence (2025-26)

4-Year (Full-Time)

Blinn College District			Texas A&M University-Texarkana		
Engineering (A.S.)		Electrical Engineering (B.S.)			
reshman	Fall		Junior	Fall	
EDUC 1100	Learning Frameworks	1	ENGR 307	Probability & Statistics for Engineers	3
ENGR 1201	Intro to Engineering	2	EE 319	Electric Circuits II	3
MATH 2413	Calculus I	4	+ EE 321	Digital Logic	3
CHEM 1409	Gen Chemfor Engr Maj	4	+ EE 322	Digital Logic Lab	1
ENGL 1301	Composition I	3	EE/ENGR	Enginering Elective (Upper)	3
060-GEN ED	US HISTORY*	3	∧ 070-GEN ED	GOVERNMENT*	3
	TOTAL*	17		TOTAL*	16
	Spring			Spring	
MATH 2414	Calculus II	4	EE 335	Electronics I	3
ENGR 1304	Engineering Graphics I	3	EE 336	Electronics Lab	1
PHYS 2325	University Physics I	3	EE 345	Intro to Electromagnetics	3
PHYS 2125	University Physics I Lab	1	EE 445	Embedded Systems	3
ENGL 1302	Composition II	3	EE 446	Embedded Systems Lab	1
060-GEN ED	US HISTORY*	3	EE/ENGR	Enginering Elective (Upper)	3
	TOTAL*	17		TOTAL	14
_	Fall		Senior	Fall	
MATH 2318	Linear Algebra	3	EE 305	Fundamentals of Power System	3
MATH 2415	Calculus III	4	EE 306	Electric Power & Machinery Lab	1
PHYS 2326	University Physics II	3	EE 325	Signals & System I	3
PHYS 2126	University Physics II Lab	1	EE 326	Signals & System I Lab	1
ENGR 2304	Prog for Engineers	3	EE 490	EE Senior Design I	3
050-GEN ED	CREATIVE ARTS*	3	EE/ENGR	Enginering Elective (Upper)	3
	TOTAL*	17		TOTAL	14
	Spring			Spring	
ECON 2301	Princ of Macroeconomics	3	EE 429	Introduction to Comm Systems	3
ENGR 2405	Electrical Circuits	4	EE 432	Control Systems	3
MATH 2320	Differential Equations	3	EE 474	Power Systems Analysis & Control	3
010-GEN ED	PUBLIC SPEAKING*	3	EE 491	EE Senior Design II	3
070-GEN ED	GOVERNMENT*	3	> ENGR 312	Engineering and Business Ethics	3
070 GEITE					
070 021122	TOTAL*	16		TOTAL*	15
	Eng reshman EDUC 1100 ENGR 1201 MATH 2413 CHEM 1409 ENGL 1301 060-GEN ED MATH 2414 ENGR 1304 PHYS 2325 PHYS 2125 ENGL 1302 060-GEN ED ophomore MATH 2415 PHYS 2326 PHYS 2126 ENGR 2304 050-GEN ED ECON 2301 ENGR 2405 MATH 2320 010-GEN ED	Engineering (A.S.) reshman Fall EDUC 1100 ENGR 1201 Intro to Engineering MATH 2413 CHEM 1409 ENGL 1301 O60-GEN ED MATH 2414 ENGR 1304 PHYS 2325 PHYS 2125 ENGL 1302 O60-GEN ED MATH 2415 Composition I Us HISTORY* TOTAL* Spring MATH 2414 Engineering Graphics I University Physics I University Physics I Lab Composition II US HISTORY* TOTAL* PHYS 2125 University Physics I University Physics I University Physics I Lab Composition II US HISTORY* TOTAL* Ophomore Fall MATH 2318 Linear Algebra MATH 2415 Calculus III PHYS 2326 PHYS 2126 University Physics II University Physics II University Physics II PHYS 2304 Prog for Engineers O50-GEN ED CREATIVE ARTS* TOTAL* Spring ECON 2301 Princ of Macroeconomics ENGR 2405 MATH 2320 O10-GEN ED PUBLIC SPEAKING*	Engineering (A.S.) Feshman	Engineering (A.S.) Teshman	Engineering (A.S.) reshman

TOTAL CREDIT-ALL TERMS

126

- * Consult with an academic advisor to determine best options, including summer and minimester options
- * Once core complete at Blinn, check with academic advisor on core courses needed at TAMUT.
- > ENGR 312 reverse transfers to satisfy Blinn's 040-GEN-ED requirement (PHIL 2306) but transcript specifiying core complete needed for TAMUT's core requirement.
- ↑ EDUC 1100/MATH 2318/CHEM 1409/SPCH 1315/GOVT 2305/GOVT 2306 not required to complete AS Engineering at Blinn College, but required to complete the BS Electrical Engineering at TAMUT
- + EE 321 and EE 322 can be substituted by ENGR 2406 Introduction to Digital Systems
- < ENGR 1304 not required for BS Electrical Eng at TAMUT