



**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 Engineering (A.S.)				Texas A&M University-Texarkana Electrical Engineering (B.S.)			
Freshman		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	Engineering Elective (Upper)	3
	060-GEN ED	US HISTORY*	3	^	070-GEN ED	GOVERNMENT*	3
		<b>TOTAL*</b>	<b>17</b>			<b>TOTAL*</b>	<b>16</b>
		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	Engineering Elective (Upper)	3
		<b>TOTAL*</b>	<b>17</b>			<b>TOTAL</b>	<b>14</b>
Sophomore		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	Engineering Elective (Upper)	3
		<b>TOTAL*</b>	<b>17</b>			<b>TOTAL</b>	<b>14</b>
		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
		<b>TOTAL*</b>	<b>16</b>			<b>TOTAL*</b>	<b>15</b>

Notes

**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 specifying 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