



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

**Graduation Plan - Recommended Course Sequence (2024-25)**

**4-Year (Full-Time)**

Blinn College District Engineering (A.S.)			Texas A&M University-Texarkana Electrical Engineering (B.S.)		
<b>Freshman</b>			<b>Junior</b>		
	<b>Fall</b>			<b>Fall</b>	
EDUC 1100	Learning Frameworks	1	010-GEN ED	PUBLIC SPEAKING*	3
ENGR 1201	Intro to Engineering	2	EE 307	Probability & Random Process	3
MATH 2413	Calculus I	4	EE 319	Electric Circuits II	3
CHEM 1409	Gen Chem for Engr Maj	4	EE 321	Digital Logic	3
ENGL 1301	Composition I	3	EE 322	Digital Logic Lab	1
PHIL 2306	Introduction to Ethics	3	EE/ENGR	Engineering Elective (Upper)	3
	<b>TOTAL*</b>	<b>17</b>		<b>TOTAL*</b>	<b>16</b>
	<b>Spring</b>			<b>Spring</b>	
MATH 2414	Calculus II	4	EE 325	Signals & System I	3
PHYS 2325	University Physics I	3	EE 326	Signals & System Lab	1
PHYS 2125	University Physics I Lab	1	EE 335	Electronics I	3
ENGL 1302	Composition II	3	EE 336	Electronics Lab	1
060-GEN ED	US HISTORY*	3	EE 345	Intro to Electromagnetics	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>
<b>Sophomore</b>			<b>Senior</b>		
	<b>Fall</b>			<b>Fall</b>	
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 429	Basic Comm. Theory	3
PHYS 2126	University Physics II Lab	1	EE 490	EE Senior Design I	3
ECON 2301	Princ of Macroeconomics	3	EE/ENGR	Engineering Elective (Upper)	3
070-GEN ED	GOVERNMENT*	3			
	<b>TOTAL*</b>	<b>17</b>		<b>TOTAL</b>	<b>13</b>
	<b>Spring</b>			<b>Spring</b>	
ENGR 2304	Prog for Engineers	3	EE 432	Control Systems	3
ENGR 2405	Electrical Circuits	4	EE 445	Embedded Systems	3
060-GEN ED	US HISTORY*	3	EE 446	Embedded Systems Lab	1
MATH 2320	Differential Equations	3	EE 474	Power Systems Analysis & Control	3
070-GEN ED	GOVERNMENT*	3	EE 491	EE Senior Design II	3
	<b>TOTAL*</b>	<b>16</b>	ENGR 312	Engineering and Business Ethics	3
				<b>TOTAL*</b>	<b>16</b>

Notes

**TOTAL CREDIT-ALL TERMS 126**

\* Consult with an academic advisor to determine best options

\* Consult with an advisor on course options offered in a summer session or minimester

+ Upper-Level CS Elective reverse transfers to fulfill ENGR 1304 requirement