

First Year at Central Texas College	FALL			SPRING			SUMMER (IF APPLICABLE)		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	HIST 1301	US History I	3	HIST 1302	US History II	3	MATH 2414	Calculus II	4
	ENGL 1301	Composition I	3	GOVT 2305	Federal Government	3	CHEM 1411	Component area: Gen Chemistry	4
	Creat Arts Core Elective <sup>*CA</sup>		3	MATH 2413	Calculus I	4	*MATH 2415	Calculus III	3
	Comm Core Elect <sup>*CO</sup>		3	PHYS 2425	Physics I	4			
	ENGR 1201	Intro to Engineering	2						
	<b>Fall Total Credit Hours</b>		<b>14</b>	<b>Spring Total Credit Hours</b>		<b>14</b>	<b>Summer Total Credit Hours</b>		<b>11</b>

Second Year at Central Texas College	FALL			SPRING			Additional Coursework		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	PHYS 2426	Physics II	4	GOVT 2306	Texas Government	3			
	ENGR 2301	Eng. Mechanics - Statics	3	ENGR 2332	Mechanics of Materials	3			
	ENGR 2305	Electrical Circuits I	3	LPC Core Elective <sup>LPC</sup>		3			
				ENGR 2302	Eng Mechanics - Dynamics	3			
				Soc/Beh Core <sup>SBC</sup>		3			
	<b>Fall Total Credit Hours</b>		<b>10</b>	<b>Spring Total Credit Hours</b>		<b>15</b>	<b>Summer Total Credit Hours</b>		<b>14</b>

Additional Semester at LU	Summer Semester								
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	ELEN 3101	Advanced EE Lab	1						
	ELEN 3328	Quantum Mechanics 4 EEs	3						
	ELEN 3431	Digital Logic Design	4						
	MATH 3301	Diff. Equations	3						
	MATH 2318	Linear Algebra	3						
	<b>Total Credit Hours</b>		<b>14</b>						

Third Year at Lamar University	FALL			SPRING			SUMMER (IF APPLICABLE)		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	ELEN 3312	Circuits II	3	ELEN 3313	Signals & Systems	3			
	ELEN 3371	Electromagnetics	3	ELEN 3322	Electronics II	3			
	ELEN 3421	Electronics I	4	ELEN 3381	Electrical Analysis	3			
	ELEN 4486	Microcomputers I	4	ELEN 3441	Fund. Power Engr.	4			
				ELEN 4387	Microcomputers II	3			
	<b>Fall Total Credit Hours</b>		<b>14</b>	<b>Spring Total Credit Hours</b>		<b>16</b>	<b>Summer Total Credit Hours</b>		<b>0</b>

Fourth Year at Lamar University	FALL			SPRING			SUMMER (IF APPLICABLE)		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	ELEN 4306	Senior Proj Design I	3	ELEN 4307	Sen Proj Design II	3			
	ELEN 4351	Control Engineering	3	MATH 3370	Intro to theory of Statistical Inference	3			
	ELEN Elective <sup>EE</sup>		3	ELEN Elective <sup>EE</sup>		3			
	ELEN Elective <sup>EE</sup>		3						
	<b>Fall Total Credit Hours</b>		<b>12</b>	<b>Spring Total Credit Hours</b>		<b>9</b>	<b>Summer Total Credit Hours</b>		<b>0</b>

\*Students should complete MATH 2415 before transferring

**NOTES/COMMENTS:**

All STEM courses require a grade of "C" or better to satisfy degree plan/prerequisite requirements.  
 PH - or PHIL 2306 Ethics  
 EE - Non-EE courses may be substituted if approved by the Department Chair  
 CO - Communication electives are: at CnTx: SPCH 1315, 1318, 1321; at LU: COMM 1315, 1321, DSDE 1371, FREN 1311, or SPAN 1311.  
 CA - Fine/Creative Arts electives are: at LU: ARTS 1301, 1303, DANC 2304, MUSI 1306, COMM 1375, or PHIL 1330  
 HI - Two semesters of US or Texas history from HIST 1301, 1302, or 2301  
 SBS - Social and Behavioral Science electives are: at LU: ECON 1301, PSYC 2301, SOCI 1301, ENON 2301, 2302, or ENGR 2308  
 PR - ELEN 1301 - Intro to Computers & Programming is needed before taking ELEN 2411 Circuits I. (An equivalent high school or community College programming course may be accepted)  
 \* Core Curriculum Course.