

San Jacinto College AS Engineering, Electrical to LU Electrical Engineering

First Year at San Jacinto College	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	ENGL 1301	English Comp I	3	PHYS 2325	University Physics I	3			
	MATH 2413	Calculus I	4	PHYS 2125	University Physics I Lab	1			
	CHEM 1311	General Chem I	3	HIST 1302	US History II	3			
	CHEM 1111	General Chem I Lab	1	MATH 2414	Calculus II	4			
	ENGR 1201	Intro to Engineering	2	ENGL 2311	Technical Writing	3			
	HIST 1301	US History I	3	PHIL 2306	Ethics	3			
	Fall Total Credit Hours		16	Spring Total Credit Hours		17	Summer Total Credit Hours		

Second Year at San Jacinto College	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	PHYS 2326	Univ Physics II	3	ENGR 2305	Circuits I	3	ELEN 3101	Avd EE Lab	1
	PHYS 2126	Univ Physics II Lab	1	ENGR 2105	Circuits I Lab	1	ELEN 3328	Quantum Mech for EEs	3
	MATH 2415	Calculus III	4	MATH 2320	Diff Equations	3	ELEN 3431	Digital Logic Design	4
	MATH 2318	Linear Algebra	3	GOVT 2306	Texas Govt	3			
	ECON 2301	Macro-economics	3	ARTS 1301	Art Appr	3			
	GOVT 2305	Federal Govt	3						
	Fall Total Credit Hours		17	Spring Total Credit Hours		13	Summer Total Credit Hours		

Third Year at Lamar University	FALL			SPRING			SUMMER		
	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	Micro-computers II	3			
	Fall Total Credit Hours		14	Spring Total Credit Hours		16	Summer Total Credit Hours		

Fourth Year at Lamar University	FALL			SPRING			SUMMER		
	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 Theory of Statistical Inference	3			
	ELEN Elect. ^{EE}	ELEN Elective ^{EE}	3	ELEN Elect. ^{EE}	ELEN Elective ^{EE}	3			
	ELEN Elect. ^{EE}	ELEN Elective ^{EE}	3						
	Fall Total Credit Hours		12	Spring Total Credit Hours		9	Summer Total Credit Hours		

LAMAR UNIVERSITY NOTES/COMMENTS:

All STEM courses require a grade of "C" or better to satisfy degree plan/prerequisite requirements.

EE - Non-EE courses may be substituted if approved by the Department Chair

Hours not Applied: 2 ENGR 1201