

First Year - Freshman							
Fall Semester				Spring Semester			
San Jac	Lamar	Course Name	Hrs	San Jac	Lamar	Course Name	Hrs
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
Total			16	Total			17
Summer Semester							
San Jac	Lamar	Course Name	Hrs	San Jac	Lamar	Course Name	Hrs
Total			0	Total			0
Second Year - Sophomore							
Fall Semester				Spring Semester			
San Jac	Lamar	Course Name	Hrs	San Jac	Lamar	Course Name	Hrs
PHYS 2326		Univ Physics II	3	ENGR 2305		Circuits I	3
PHYS 2126		Univ Physics II Lab	1	ENGR 2105		Circuits I Lab	1
MATH 2415		Calculus III	4	MATH 2320		Diff Equations	3
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				
Total			17	Total			13
Summer Semester at LU							
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs		
ELEN 3101	Advanced EE Lab	1	ELEN 3431	Digital Logic Design	4		
ELEN 3328	Quantum Mechanics for EE	3					
Total		4	Total		4		
Third Year - Junior							
Fall Semester				Spring Semester			
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs		
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	Fundamentals of Power Engr	4		
			ELEN 4387	Microcomputers II	3		
Total		14	Total		16		
Summer Semester							
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs		
Total		0	Total		0		
Fourth Year - Senior							
Fall Semester				Spring Semester			
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs		
ELEN 4306	Senior Project Design I	3	ELEN 4307	Senior Project Design II	3		
ELEN 4351	Control Engineering	3	MATH 3370	Intro to Theory of Statistical Inference	3		
ELEN Elective ^{EE}	ELEN Elective	3	ELEN Elective ^{EE}	ELEN Elective	3		
ELEN Elective ^{EE}	ELEN Elective	3					
Total		12	Total		9		

Notes:
 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