Proposed FOUR-YEAR DEGREE MAP 2020 - 2021   **San Jasinto Community College**

First Year at SJCC

FALL			SPRING			SUMMER (IF APPLICABLE)		
Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
ENGL 1301	Composition I	3	PHYS 2325	University Physics I	3			
MATH 2413	Cal I	4	PHYS 2125	University Physics I Lab	1			
CHEM 1311	General Chem I	3	HIST 1302	History II	3			
CHEM 1111	General Chem I Lab	1	MATH 2414	Cal II	4			
ENGR 1201	Intro to Engineering	2	ENGL 2311	Technical Writing	3			
HIST 1301	U S History I	3	PHIL 2306	Ethics	3			
Fall Total Credit Hours		**16**	**Spring Total Credit Hours**		**17**	**Summer Total Credit Hours**		**0**

Second Year at SJCC

FALL			SPRING			SUMMER (IF APPLICABLE)		
Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
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	Cal III	4	MATH 2320	Differential Equations	3			
MATH 2318	Linear Algebra	3	GOVT 2306	Texas Government	3			
ECON 2301	Economics	3	ARTS 1301	Art Appreciation	3			
GOVT 2305	Federal Government	3						
Fall Total Credit Hours		**17**	**Spring Total Credit Hours**		**13**	**Summer Total Credit Hours**		**0**

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						
Total Credit Hours		**8**						

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			
Lang/Phil/Cult Core Elective		3	ELEN 4387	Microcomputers II	3			
Fall Total Credit Hours		**17**	**Spring Total Credit Hours**		**16**	**Summer Total Credit Hours**		**0**

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[EE]		3	Fine Arts Core Elective[FA]		3			
ELEN Elective[EE]		3	ELEN Elective[EE]		3			
COMM 1315	Public Speaking	3	Soc/Beh Sc Core Elective[SBS]		3			
Fall Total Credit Hours		**15**	**Spring Total Credit Hours**		**15**	**Summer Total Credit Hours**		**0**

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
EC - or ECON2308
CO - Communication electives are: COMM 1315, 1321, DSDE 1371, FREN 1311, or SPAN 1311
FA - Fine Arts electives are: 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: 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.
Taken when transferring with core incomplete.
Please discuss these course option with your advisor to determine what course best meets your needs.