

Proposed FOUR-YEAR DEGREE MAP 2020 - 2021 Galveston College

First Year at Galveston College	FALL			SPRING			SUMMER (IF APPLICABLE)		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	ENGL 1301	Composition I	3	SBS	Soc Beh Sc Elective	3			
	HIST 1301	US History I	3	HIST 1302	US History	3			
	MATH 2413	Calculus I	4	MATH 2414	Calculus II	4			
	CHEM 1409	Gen Chem for Engineers	4	PHYS 2425	University Physics I	4			
	SPCH 1315. (Elective)	Public Speaking	3	ENGL 1302	Composition II	3			
	Fall Total Credit Hours		17	Spring Total Credit Hours		17	Summer Total Credit Hours		0

Second Year at Galveston College	FALL			SPRING			SUMMER (IF APPLICABLE)		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	GOVT 2305	Federal Government	3	GOVT 2306	TX Government	3			
	MATH 2415	Calculus III	4	COSC 1320 ^{PR}	C Programming	3			
	PHYS 2426	University Physics II	4	ENGR 2305	Electrical Circuits	3			
	MATH 2320	Differential Equations	3	ENGR 2105	El. Circuits Lab	1			
				Cr Arts Core ^{*FA}		3			
	Fall Total Credit Hours		14	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						
	MATH 2318	Linear Algebra	3						
	Total Credit Hours		11						

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			
	Fall Total Credit Hours		14	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	Lang/Phil/Cult Core Elective	Core Elective	3			
	ELEN Elective ^{EE}		3	MATH 3370	Intro to Theory of Statistical Inference	3			
	ELEN Elective ^{EE}		3						
	Fall Total Credit Hours		12	Spring Total Credit Hours		9	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
 CO - Communication electives are: COMM 1315, 1321, DSDE 1371, FREN 1311, or SPAN 1311
 FA - Fine Arts electives are: at LU: ARTS 1301, 1303, DANC 2304, MUSI 1306, COMM 1375, or PHIL 1330; at GC: ARTS 1301, 1303,1304, COMM 2366, DRAM 1310, 2366, HUMA 1301, 1302, MUSI 1306, 1310, ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2342, 2343, PHIL 1301, 2306, 2307, 2321
 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; or at GC: CRIJ 1301, 1307, ECON 2301, 2302, PHED 1304, 1346, PSYC 2301
 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.