

Proposed FOUR-YEAR DEGREE MAP 2020 - 2021 **Blinn College**

First Year at Blinn College	FALL			SPRING			SUMMER (IF APPLICABLE)		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	ENGL 1301	Composition I	3	ENGR 1304	Eng Graphics	3			
	CHEM 1409	Gen Chem for Eng	4	HIST 1301	US History I	3			
	MATH 2413	Calculus I	4	MATH 2414	Calculus II	4			
	PHIL 2306 (LPC Core El)	Ethics	3	PHYS 2325	Univ Physics I	3			
	ENGR 1201	Intro to Eng	2	PHYS 2125	Univ Phys I Lab	1			
				SPCH 1315 (Comm Core)	Public Speaking	3			
	<b>Fall Total Credit Hours</b>			<b>Spring Total Credit Hours</b>			<b>Summer Total Credit Hours</b>		
	16			17			0		

Second Year at Blinn College	FALL			SPRING			SUMMER (IF APPLICABLE)		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	MATH 2318	Linear Algebra	3	ENGR 2304	Programming	3			
	MATH 2415	Calculus III	4	ENGR 2405	Electrical Circuits	4			
	PHYS 2326	University Physics II	3	HIST 1302	US History II	3			
	PHYS 2126	Un Physics II Lab	1	MATH 2320	Differential Equations	3			
	Soc/Beh Sci Elective		3						
	<b>Fall Total Credit Hours</b>			<b>Spring Total Credit Hours</b>			<b>Summer Total Credit Hours</b>		
	14			13			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						
	<b>Total Credit Hours</b>			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			
				ELEN 4387	Microcomputers II	3			
	<b>Fall Total Credit Hours</b>			<b>Spring Total Credit Hours</b>			<b>Summer Total Credit Hours</b>		
	14			16			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	Fine Arts Core* <sup>#A</sup>		3			
	ELEN Elective <sup>EE</sup>		3	MATH 3370	Intro to theory of Statistical Inference	3			
	ELEN Elective <sup>EE</sup>		3	ELEN Elective <sup>EE</sup>		3			
	POLS 2301	US Government I	3	POLS 2302	US Government II	3			
	<b>Fall Total Credit Hours</b>			<b>Spring Total Credit Hours</b>			<b>Summer Total Credit Hours</b>		
	15			15			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: 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.

# Please discuss these course option with your advisor to determine what course best meets your needs.