

Blinn College AS Engineering - Electrical to LU BS Electrical Engineering

First Year at Blinn College	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	ENGR 1201	Intro to Eng.	2	ENGR 1304	Engineering Graphics	3	MATH 2318	Linear Algebra	3
	MATH 2413	Calculus I	4	MATH 2414	Calculus II	4			
	COSC 1420	C Programming	4	PHYS 2325	University Physics I	3			
	ENGL 1301	English Comp I	3	PHYS 2125	University Physics I Lab	1			
	CORE	Core Course	3	ENGL 1302	English Comp II	3			
				CORE	Core Course	3			
	Fall Total Credit Hours		16	Spring Total Credit Hours		17	Summer Total Credit Hours		3

Second Year at Blinn College	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	ENGR 2304	Prog. for Engineers	3	ENGR 2405	Electrical Circuits	4	ELEN 3381	Electrical Analysis	3
	MATH 2415	Calculus III	4	CORE	Core Course	3	ELEN 3431	Digital System Design I	4
	PHYS 2326	University Physics II	3	CORE	Core Course	3	ELEN 3101	Advanced EE lab	1
	PHYS 2126	University Physics II Lab	1	MATH 2320	Differential Equations	3			
	CORE	Core Course	3						
Fall Total Credit Hours		14	Spring Total Credit Hours		13	Summer Total Credit Hours		8	

Third Year at Lamar University	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	ELEN 3312	Circuits Analysis II	3	ELEN 3322	Electronics II	3			
	ELEN 3371	Electromagnetics	3	ELEN 3313	Signals, Systems & Transforms	3			
	ELEN 3421	Electronics I	4	ELEN 3441	Fund Power Engr.	4			
	ELEN 4486	Embedded Microprocessor Systems	4	ELEN 4387	Computer Org & Arch	3			
	POLS 2301	Into to American Gov I	3	POLS 2302	Into to American Gov II	3			
	Fall Total Credit Hours		17	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 Projects Design I	3	ELEN 4307	Senior Projects Design II	3			
	ELEN 4351	Control Engineering	3	ELEN EI	EE Elective	3			
	ELEN 4361	Communication Systems	3	ELEN EI	EE Elective	3			
	ELEN EL	EE Elective	3	MATH 3370	Intro to Statistical Inference	3			
	CHEM 1311	General Chem I	3						
	CHEM 1111	General Chem I Lab	1						
	Fall Total Credit Hours		16	Spring Total Credit Hours		12	Summer Total Credit Hours		

BLINN COLLEGE NOTES/COMMENTS:

LAMAR UNIVERSITY NOTES/COMMENTS:

Both COSC 1420 and ENGR 2304 are substitutes for ELEN 3301. I suggest replacing one of them with Linear Algebra.

Total Credit Hours are 132 minus

7hrs - COSC 1420 and ENGR 1304 are not counted,

1hr - only one hour of the ENGR 1201 is counted

3hrs - ELEN 3301 is not a core course, and

1hr - ELEN 3101 is not a core course but required for transfer students = 120 hours