



Blinn Associate of Science in Engineering - Electrical to Lamar University Bachelor of Science in Electrical Engineering Transfer Degree Map



4-Year Suggested Academic Plan for Transfer of the Associate of Science

Blinn College District

First Year-Freshman								
Fall Semester			Spring Semester			Summer		
Course	Title	Hrs	Course	Title	Hrs	Course	Title	Hrs
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 Course	Core Course	3	ENGL 1302	English Comp II	3			
			Core Course	Core Course	3			
Total		16	Total		17			3

Second Year-Sophomore								
Fall Semester			Spring Semester			Summer		
Course	Title	Hrs	Course	Title	Hrs	Course	Title	Hrs
ENGR 2304	Prog. for Engineers	3	ENGR 2405	Electrical Circuits	4	ELEN 3381	Electrical Analysis	3
MATH 2415	Calculus III	4	Core Course	Core Course	3	ELEN 3431	Digital System Design I	4
PHYS 2326	University Physics II	3	Core Course	Core Course	3	ELEN 3101	Advanced EE lab	1
PHYS 2126	University Physics II Lab	1	MATH 2320	Differential Equations	3			
Core Course	Core Course	3						
Total		14	Total		13			8

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Third Year-Junior					
Fall Semester			Spring Semester		
Course	Course Name	Hrs	Course	Course Name	Hrs
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
Total		17	Total		16

Fourth Year-Senior					
Fall Semester			Spring Semester		
Course	Course Name	Hrs	Course	Course Name	Hrs
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			
Total		16	Total		12

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