



# Transfer Degree Map: LSC to LU Engineering Bachelor of Science in Electrical Engineering



## 4 – Year Suggested Academic Plan for Transfer

First Year - Freshman							
Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
EDUC 1300		Learning Framework: 1 <sup>st</sup> Year Exp.	3	GOVT 2305		Federal Government	3
MATH 2413		Calculus I	4	MATH 2414		Calculus II	4
ENGR 1201	ELEN 1100	Intro Engineering	2	PHYS 2425		Mechanics & Heat	4
CHEM 1411		General Chemistry I	4	HIST 1301		US History to 1877	3
ENGL 1301		Composition & Rhetoric I	3	COSC 1320		Programming	3
<b>Total</b>			<b>16</b>	<b>Total</b>			<b>17</b>
Second Year - Sophomore							
Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
PHYS 2426		Electricity, Magnetism & Light	4	MATH 2320		Differential Equations	3
Social/Behavioral Science (4)		Choose from options below (core)	3	HIST 1302		US History from 1877	3
MATH 2318		Linear Algebra	3	ENGR 2405		Electrical Circuits I	4
MATH 2415		Calculus III	4	GOVT 2306		Texas Government	3
PHIL 1370 (1)		Introduction to Philosophy	3	Creative Arts (3)		Choose from options below (core)	3
<b>Total</b>			<b>17</b>	<b>Total</b>			<b>16</b>
Summer Semester							
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	PHYS 3350	Modern Physics	3				
<b>Total</b>			<b>3</b>	<b>Total</b>			
Third Year - Junior							
Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	ELEN 3312	Circuits II	3		ELEN 3313	Signals and Systems	3
	ELEN 3371	Electromagnetics I	3		ELEN 3322	Electronics II	3
	ELEN 3421	Electronics I	4		ELEN 3381	Electrical Analysis	3
COMM 1315 (2)		Choose from options below (core)	3		ELEN 3441	Fund Power Engr.	4
					ELEN 3431	Digital Logic Design	4
<b>Total</b>			<b>13</b>	<b>Total</b>			<b>17</b>
Fourth Year - Senior							
Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	ELEN 4200	Electrical Engineering Seminar	2		ELEN 4207	Senior Projects Design II	2
	ELEN 4206	Senior Projects Design I	2		ELEN Elective (5)		3
	ELEN 4351	Control Engineering	3		ELEN 4387	Microcomputers II	3
	ELEN Elective (5)		3		MATH 3370	Intro to Statistical Inference	3
	ELEN Elective (5)		3				
	ELEN 4486	Microcomputers I	4				
<b>Total</b>			<b>17</b>	<b>Total</b>			<b>11</b>

**Notes/Comments:**

All STEM courses require a grade of "C" or better to satisfy degree plan/prerequisite requirements.

- (1) or PHIL 2306 Ethics
- (2) or COMM 1315
- (3) Creative Arts electives are: ARTS 1301, ARTS 1303, MUSI 1306 or DANC 2303
- (4) Social and Behavioral Science electives are: ECON 2301, ECON 2302, PSYC 2301, SOCI 1301