

### 4 – Year Suggested Academic Plan for Transfer

Classes highlighted in yellow are needed to graduate from LSC with an AS in Electrical Engineering, but will not apply to degree requirements at Lamar University. It is important to satisfy all prerequisite and/or corequisite requirements prior to registering for certain courses. Another college/university may not accept credits taken out of sequence to fulfill degree requirements.

#### First Year - Freshman

Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
EDUC 1300 (1)		Learning Framework: 1 <sup>st</sup> Year Exp.	3	GOVT 2305	POLS 2301	Federal Government	3
MATH 2413	MATH 2413	Calculus I	4	MATH 2414	MATH 2414	Calculus II	4
ENGR 1201	ELEN 1100	Intro Engineering	2	PHYS 2425	PHYS 2425	Mechanics & Heat	4
CHEM 1411	CHEM 1311/1111	General Chemistry I	4	HIST 1301	HIST 1301	US History to 1877	3
ENGL 1301	ENGL 1301	Composition & Rhetoric I	3	ENGR 2304	ELEN 1301	Programming for Engineers	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	PHYS 2426	Electricity, Magnetism & Light	4	MATH 2320	MATH 3301	Differential Equations	3
GOVT 2306	POLS 2302	Texas Government	3	HIST 1302	HIST 1302	US History from 1877	3
MATH 2318	MATH 3328	Linear Algebra	3	ENGR 2406		Introduction to Digital Systems	4
MATH 2415	MATH 3435	Calculus III	4	ENGR 2405	ELEN 2411	Electrical Circuits I	4
PHED 1164		Intro to Physical Fitness & Wellness	1	PHED elective		Choose any PHED activity course	1
<b>Total</b>			<b>15</b>	<b>Total</b>			<b>15</b>

#### Summer Session I at LSC

LSC	University	Course Name	Hrs
Creative Arts (4)		Choose from options below	3
<b>Total</b>			<b>3</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
	ENGR 3431	Digital Logic Design	4		ELEN 3441	Fund Power Engr.	4
	PHYS 3350	Modern Physics	3		ELEN 4486	Microcomputers I	4
<b>Total</b>			<b>17</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 (6)		3
	ELEN 4351	Control Engineering	3		PHIL 1370 (2)	Introduction to Philosophy	3
	ELEN Elective (6)		3		Social/Behavioral Science (5)	Choose from options below	3
	ELEN Elective (6)		3		MATH 3370	Intro to Statistical Inference	3
	ELEN 4387	Microcomputers II	3		COMM 1315 (3)	Public Speaking	3
<b>Total</b>			<b>16</b>	<b>Total</b>			<b>17</b>

#### Notes/Comments:

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

(1) EDUC 1300 is only required for First Time in College Students (FTIC)

(2) or PHIL 2306 Ethics

(3) or SPCH 1321

(4) Creative Arts electives are: ARTS 1301, ARTS 1303, MUSI 1306 or DANC 2303

(5) Social and Behavioral Science electives are: ECON 2301, ECON 2302, PSYC 2301, SOCI 1301

(6) NON-EE courses may be substituted if approved by the department chair

## Articulation Agreement Information – Standard and Program to Program (P2P)

### Transfer of Credit & Student Benefits

- Transfer Academic Excellence Scholarship and Phi Theta Kappa (PTK) Scholarship available to full-time students:
  - Please refer to <https://beacardinal.lamar.edu/paying-for-college/transfer-scholarships.html> for Eligibility Requirements and Renewal Requirements

<b>Transfer Academic Excellence Scholarship</b>		
<b>Transferrable GPA</b>	<b>Scholarship Amount/Year</b>	<b>Renewable?</b>
3.5-4.0	\$2,000	Yes
3.0-3.49	\$1,500	Yes
<b>Phi Theta Kappa (PTK) Scholarship</b>		
3.0-4.0	\$1,000	Yes

- Reverse transfer
- Students jointly admitted to Lamar University will receive same benefits as student of the institution
- LSC Honors students will receive consideration for acceptance to Lamar's Honors College

### Optional Partnership

### **Standard Agreement & P2P Agreement**

(Courses in AS Electrical Engineering to Bachelor of Science in Electrical Engineering)

### Program Admission Requirements

- LSC students entering BS in Electrical Engineering program at Lamar University must have a 2.0 GPA.

### Program Specific Requirements

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

This Transfer Degree Map aligns closely with the Associate of Science in Electrical Engineering, however, a student will not receive this degree at LSC unless the additional classes (highlighted in yellow) are also taken. A student can reverse transfer credits taken at Lamar University to possibly complete this degree or an Associate of Science degree.



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