



Transfer Degree Map: Associate of Science in Electrical Engineering FOS to Lamar University Bachelor of Science in Electrical Engineering



4 – Year Suggested Academic Plan for Transfer, Effective Spring 2023

It is important to satisfy all prerequisite and/or corequisite requirements prior to registering for certain courses.

First Year - Freshman							
Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
EDUC 1300 or HIST 1301 (1)	HIST option	Learning Framework: 1 st Year Exp. Or US History I	3	GOVT 2305	POLS 2301	Federal Government	3
MATH 2413 (2)	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 1302	HIST 1302	US History II	3
ENGL 1301	ENGL 1301	Composition & Rhetoric I	3	ENGR 2304	ELEN 1301	Programming for Engineers	3
Total			16	Total			17
Second Year - Sophomore							
Fall Semester				Spring Semester			
PHYS 2426	PHYS 2426	Electricity, Magnetism & Light	4	MATH 2320	MATH 3301	Differential Equations	3
GOVT 2306	POLS 2302	Texas Government	3	ENGR 2406	n/a	Introduction to Digital Systems	4
MATH 2318	MATH 3328	Linear Algebra	3	ENGR 2305	ELEN 2411	Electrical Circuits I	3
MATH 2415	MATH 3435	Calculus III	4	ENGR 2105	ELEN 2411	Electrical Circuits I	1
PHED 1164	n/a	Intro to Physical Fitness and Wellness	1	PHED Elective	n/a	Physical Activity Course	1
Total			15	Total			12
Summer semester at LSC				Summer semester at Lamar			
Complete core requirements at LSC or Lamar (not required for graduation at LSC)				ELEN 3101	Advanced EE Lab		1
				ELEN 3328	Quantum Mechanics for EE		3
				ELEN 3431	Digital Logic Design		4
Total				Total			8
Third Year - Junior							
Fall Semester				Spring Semester			
Lamar	Course Name		Hrs	Lamar	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
ELEN 4486	Microcomputers I		4	ELEN 3441	Fund Power Engr.		4
Lang. Phil. Cult.	Choose from Core Options		3	ELEN 4387	Microcomputers II		3
Total			17	Total			16
Fourth Year - Senior							
Fall Semester				Spring Semester			
COMM 1315	Public Speaking		3	ELEN 4307	Senior Projects Design II		3
ELEN 4306	Senior Projects Design I		3	ELEN EI (3)			3
ELEN 4351	Control Engineering		3	Creative Arts	Choose from Core options		3
ELEN EI (3)			3	Soc/Beh Sci	Choose from Core options		3
ELEN EI (3)			3	MATH 3370	Intro to Statistical Inference		3
Total			15	Total			15

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 (FTIC) students at LSC. If not FTIC, student should take HIST 1301 - United States History I. All students are required to complete HIST requirement.
- (2) Students may be placed in MATH 2413 through placement by testing or by completing the appropriate MATH prerequisites. See advisor for options
- (3) 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

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



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