

4 – Year Suggested Academic Plan for Transfer

Classes highlighted in yellow are needed to graduate from LSC with an AS in Industrial 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 st Year Exp.	3	ENGR 2304	INEN 2360	Programming for Engrs	3
ENGL 1301	ENGL 1301	Composition and Rhetoric I	3	GOVT 2305	POLS 2301	Federal Government	3
MATH 2413	MATH 2413	Calculus I	4	MATH 2414	MATH 2414	Calculus II	4
CHEM 1411	CHEM 1311/1111	General Chemistry I	4	PHYS 2425	PHYS 2425	Mechanics and Heat	4
ENGR 1201	INEN 1101	Intro to Engineering	2	HIST 1301	HIST 1301	US History to 1877	3
Total			16	Total			17

Second Year - Sophomore

Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
HIST 1302	HIST 1302	US History from 1877	3	ENGR 2405	ELEN 2310	Electrical Circuits I	4
ENGR 2301	CVEN 2301	Engineering Mechanics: Statics	3	MATH 2320	MATH 3301	Differential Equations	3
MATH 2318	MATH 3328	Linear Algebra	3	ENGR 2302	MEEN 2302	Engineering Mechanics: Dynamics	3
PHYS 2426	PHYS 2426	Electricity, Magnetism, and Light	4	ENGR 2308	INEN 2373	Engineering Economics	3
MATH 2415		Calculus III	4	GOVT 2306	POLS 2302	Texas Government	3
				ENGR 1304		Engineering Graphics I	3
Total			17	Total			19

Summer Session I at LSC

LSC	University	Course Name	Hrs
CHEM 1412 (3)	CHEM 1312/1112	General Chemistry II	4
Total			4

Third Year - Junior

Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	COMM 1315 (2)	Public Speaking	3		INEN 4320 (7)	Stat Decision Making Engr	3
	INEN 3320 (7)	Probability & Stat for Engr	3		INEN 4345	Computer Int. Manufacturing	3
	INEN 4315	Industrial Management	3		INEN 4370	Operations Research	3
	INEN 4350	Production & Inventory Control	3		INEN 4300	Quality Improvement	3
	INEN 3322	Engr. Matls. & Processes	3		INEN 3380	Work Design	3
Total			15	Total			15

Fourth Year - Senior

Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	INEN 4323 (6)	IE Systems Design	3		INEN 4385	IE Design	3
	INEN 4375	Simulation of IE Sys.	3		Elective (5) (8)	Approved Elective	3
	INEN 4316	Industrial and Product Safety	3		Elective (5) (8)	Approved Elective	3
	Elective (5)	Approved Elective	3		Creative Arts (4)	Chose from options below	3
	Elective (5)	Approved Elective	3		PHIL 2306/1370	Ethics/Philosophy of Knowledge	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 Students (FTIC)

(2) or SPCH 1321

(3) CHEM 1412 or another science elective approved by the INEN Chair

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

(5) Must be INEN or see (8) or approved by BSIE Program Chair

(6) In addition to the prerequisites, students must be admitted into the BSIE Program and complete all courses through the junior year

(7) Must be advanced to BSIE status

(8) BSIE/MBA 5-year Program Electives: BULW 3310, ACCT 5315, ECON 5300, BCOM 3350 (Only if there is an English Proficiency Issue)

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 Industrial Engineering to Bachelor of Science in Industrial Engineering)

Program Admission Requirements

- LSC students entering BS in Industrial 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 Industrial 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.



LAMAR UNIVERSITY
MEMBER THE TEXAS STATE UNIVERSITY SYSTEM™