

4 – Year Suggested Academic Plan for Transfer

Classes highlighted in yellow are needed to graduate from LSC with an AS in Mechanical 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	GOVT 2305	POLS 2301	Federal Government	3
ENGL 1301	ENGL 1301	Composition and Rhetoric I	3	MATH 2414	MATH 2414	Calculus II	4
MATH 2413	MATH 2413	Calculus I	4	PHYS 2425	PHYS 2425	Mechanics & Heat	4
CHEM 1411	CHEM 1311/1111	General Chemistry I	4	ENGR 1304		Engineering Graphics	3
ENGR 1201		Introduction 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
PHYS 2426	PHYS 2426	Electricity, Magnetism & Light	4	ENGR 2405	ELEN 2310	Electrical Circuits I	4
ENGR 2301	CVEN 2301	Engineering Mechanics: Statics	3	ENGR 2302	MEEN 2302	Engineering Mechanics: Dynamics	3
MATH 2318	MATH 3328	Linear Algebra	3	GOVT 2306	POLS 2302	Texas Government	3
MATH 2415	MATH 3435	Calculus III	4	MATH 2320	MATH 3301	Differential Equations	3
ENGR 2304		Programming for Engineers	3	HIST 1302	HIST 1302	US History from 1877	3
Total			17	Total			16

Summer Session I at LSC

Summer Session II at Lamar University

LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
ENGR 2334	MEEN 2374	Thermodynamics	3		CVEN 2372	Mechanics of Solids	3
SPCH 1315 (3)	COMM 1315	Public Speaking	3				
Total			6	Total			3

Third Year - Junior

Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	MEEN 3340	Engineering Analysis	3		MEEN 3210	Measurement Lab	2
	MEEN 3311	Fluid Mechanics	3		MEEN 3310	Heat Transfer	3
	MEEN 3380	Thermodynamics II	3		MEEN 3300	Design of Mechanisms	3
	INEN 3322	Process Engineering	3		MEEN 3320	Mechanical Design I	3
	INEN 2373	Engineering Economics	3		MEEN 3350	CAE	3
					Creative Arts (4)	Choose from options below	3
Total			15	Total			17

Fourth Year - Senior

Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	MEEN 4110	Seminar	1		MEEN 4316	Engineering Design Project	3
	MEEN 4310	Integrated Systems Design	3		MEEN 4317	Dynamic Systems Analysis	3
	MEEN 4313	Thermal System Design	3		MEEN Elective		3
	MEEN 4319	Materials Science	3		INEN 4320 OR MATH 3370 (5)	Statistics	3
	MEEN 4323	Mechanical Design II	3		PHIL 1370 (2)	Intro to Philosophy	3
	MEEN Elective		3				
Total			16	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 PHIL 2306 Ethics

(3) or SPCH 1321

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

(5) INEN 4320 or MATH 3370 or another calculus-based probability and statistics course approved by the MEEN 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 Mechanical Engineering to Bachelor of Science in Mechanical Engineering)

Program Admission Requirements

- LSC students entering BS in Mechanical 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 Mechanical 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.

