



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



4 – Year Suggested Academic Plan for Transfer, Effective Fall 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 Option (1)	HIST I	Learning Framework: 1st Year Exp. Or History Option	3	MATH 2414	MATH 2414	Calculus II	4
ENGL 1301	ENGL 1301	Composition and Rhetoric I	3	PHYS 2425	PHYS 2425	Mechanics & Heat	4
MATH 2413 (2)	MATH 2413	Calculus I	4	ENGR 1304	MEEN 2213	Engineering Graphics I	3
ENGR 1201	n/a	Intro to Engineering	2	GOVT 2305 (3)	POLS 2301	American Government	3
CHEM 1411	CHEM 1311	General Chemistry I	4				
Total			16	Total			14

Second Year - Sophomore

Fall Semester				Spring Semester			
PHYS 2426	PHYS 2426	Electricity, Magnetism & Light	4	MATH 2320	MATH 3301	Differential Equations	3
MATH 2415	MATH 2415	Calculus III	4	ENGR 2302	MEEN 2302	Engineering Mechanics: Dynamics	3
ENGR 2301	MEEN 2301	Engineering Mechanics: Statics	3	ENGR 2105	ELEN 3310	Electrical Circuits I	1
ENGR 2304	MEEN 2112	Programming for Engineers	3	ENGR 2305		Electrical Circuits I	3
HIST Option (3)	HIST II	History Option	3	ENGR Or Core Elective (4)		Choose from listed ENGR Electives or LSC core requirement	3
				Creative Arts	Creative Arts	Choose from LSC Core Curriculum	3
Total			17	Total			16

Summer Session I in preparation for transfer (not required for graduation at LSC)

Summer Session II at Lamar University

SPCH 1315	COMM 1315	Public Speaking	3	POLS 2302	American Government II	3
MATH 2318	MATH 2318	Linear Algebra	3	MEEN 2374	Thermodynamics I	3
Total			6	Total		6

Third Year – Junior

Fall Semester			Spring Semester		
University	Course Name	Hrs	University	Course Name	Hrs
MEEN 3340	Engineering Analysis	3	MEEN 3210	Measurement Lab	2
MEEN 3311	Fluid Mechanics	3	MEEN 3310	Heat Transfer	3
INEN 3322	Process Engineering	3	MEEN 3300	Design of Mechanisms	3
INEN 2373	Engineering Economics	3	MEEN 3320	Mechanical Design I	3
			INEN 4320 OR MATH 3370 (5)	Statistics	3
Total		12	Total		14

Fourth Year – Senior

Fall Semester			Spring Semester		
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	PHIL 1370 or 2306	Intro to Philosophy or Intro to Ethics	3
MEEN 4323	Mechanical Design II	3	Free Tech Elect	Free Technical Elective	3
MEEN Elective		3			
Total		16	Total		15

Notes/Comments:

- (1) EDUC 1300 is required for First Time in College (FTIC) students at LSC. Students exempt from the Student Success Course requirement will take a course from their remaining core course requirements. HIST is recommended to aid in transfer and degree completion at Lamar University.
- (2) Students may be placed in MATH 2413 through placement by testing or by completing the appropriate MATH prerequisites. See advisor for options.
- (3) Courses listed are recommended to aid in transfer and degree completion at Lamar University. Student may choose any course from the LSC core to fulfill core requirements.
- (4) Complete 3 credit hours from the following Engineering Electives: ENGR2332 - Mechanics of Materials (Lamar: MEEN 2372), ENGR2308 - Engineering Economics (Lamar: INEN 2373), ENGR2334 - Chemical Engineering Thermodynamics I (Lamar: MEEN 2374), ENGR2405 - Electrical Circuits I, ENGR2406 - Intro to Digital Systems OR remaining core course requirement.
- (5) INEN 4320 or MATH 3370 or another calculus-based probability and statistics course approved by the MEEN Chair.



Lamar University - Transfer Information



Program Specific Information:

Bachelor of Science in Mechanical Engineering

- LSC students entering BS in Mechanical Engineering program at Lamar University must have a 2.0 GPA.
- All STEM courses require a grade of "C" or better to satisfy degree plan/prerequisite requirements.

Program Specific Requirements:

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

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