



**Transfer Pathway: Blinn College AS Engineering,
Mechanical to Lamar University BS Mechanical
Engineering**



First Year - Freshman							
Fall Semester				Spring Semester			
Blinn	Lamar	Course Name	Hrs	Blinn	Lamar	Course Name	Hrs
ENGR 1201		Intro to Engr.	2	ENGR 1304		Engr. Graphics	3
MATH 2413		Calculus I	4	MATH 2414		Calculus II	4
CHEM 1409		Gen Chem for Engineers	4	PHYS 2325		University Physics I	3
ENGL 1301		English Comp I	3	PHYS 2125		University Physics I Lab	1
HIST Core		History Core	3	ENGL 1302		English Comp II	3
				HIST Core		American History Core	3
Total			16	Total			17
Summer Semester							
Blinn	Lamar	Course Name	Hrs	Blinn	Lamar	Course Name	Hrs
Total			0	Total			0
Second Year - Sophomore							
Fall Semester				Spring Semester			
Blinn	Lamar	Course Name	Hrs	Blinn	Lamar	Course Name	Hrs
ENGR 2301		Statics	3	ENGR 2302		Dynamics	4
MATH 2415		Calculus III	4	ENGR 2405		Electrical Circuits	3
PHYS 2326		University Physics II	3	ENGR 2332		Mechanics of Materials	3
PHYS 2126		University Physics II Lab	1	PHIL 2306		Ethics	3
CA Core		Creative Arts Core	3				
Total			14	Total			13
Summer Semester at Blinn and Lamar							
Blinn	Lamar	Course Name	Hrs	Blinn	Lamar	Course Name	Hrs
	MEEN 2112	Intro to Programming	1		MEEN 2374	Thermo I	3
MATH 2318	MATH 2318	Linear Algebra	3	MATH 2320	MATH 3301	Differential Equations	3
ENGR 2308	INEN 2373	Engineering Economics	3				
Total			7	Total			6
Third Year - Junior							
Fall Semester				Spring Semester			
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs	Lamar	Course Name
MEEN 3340	ENGR Analysis	3	MEEN 3210	Measurements Lab	2		
MEEN 3311	Fluid Mechanics	3	MEEN 3310	Heat Transfer	3		
INEN 3322	Process Engineering	3	MEEN 3300	Design of Machines	3		
ELEN 3310	Fundamentals of EE	3	MEEN 3320	Mechanical Design I	3		
POLS 2301	Political Science I/GOVT Core	3	INEN 4320 or MATH 3370	Statistics	3		
			POLS 2302	Political Science II/GOVT Core	3		
Total		15	Total		17		
Summer Semester							
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs	Lamar	Course Name
Total		0	Total		0		
Fourth Year - Senior							
Fall Semester				Spring Semester			
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs	Lamar	Course Name
MEEN 4110	Seminar	1	MEEN 4316	Engineering Design Project	3		
MEEN 4310	Integrated System Design	3	MEEN 4317	Dynamic Systems Analysis	3		
MEEN 4313	Thermal Systems Design	3	MEEN 4xxx	MEEN Elective	3		
MEEN 4319	Materials Science	3	Tech Elective	Technical Elective	3		
MEEN 4323	Mechanical Design II	3					
MEEN 4xxx	MEEN Elective	3					
Total		16	Total		12		

Notes:

- * ENGR 1201 and ENGR 1304 are not used in the LU Mechanical Engineering degree.
 - ** LU prefers students take PHIL 2306 Ethics to satisfy the Language, Philosophy, and Culture Core requirement.
 - *** Students should complete the courses highlighted in green by the end of year 2 in order to stay on track.
- ENGR 2334 does not substitute for MEEN 2374.