

**San Jacinto College AS Engineering, Mechanical to LU BS Mechanical Engineering**

First Year at San Jacinto College	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	CHEM 1111	Gen Chem I Lab	1	ENGL 1302	English Comp II	3			
	CHEM 1311	General Chemistry I	3	ENGR 1304	Engineering Graphics	3			
	ENGL 1301	English Comp I	3	GOVT 2305	Federal Govt	3			
	ENGR 1201	Intro to Engineering	2	MATH 2414	Calculus II	4			
	MATH 2413	Calculus I	4	PHYS 2125	Univ Physics I Lab	1			
				PHYS 2325	Univ Physics I Lab	3			
	<b>Fall Total Credit Hours</b>		13	<b>Spring Total Credit Hours</b>		17	<b>Summer Total Credit Hours</b>		

Second Year at San Jacinto College	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	ENGR 2301	Statics	3	ENGR 2105	Elect Circuits Lab	1	LPC Core	LPC Core	3
	ENGR 2304	Programming	3	ENGR 2302	Dynamics	3	MATH 2318	Linear Algebra	3
	HIST 1301	U S History I	3	ENGR 2305	Elect Engineering	3	ENGR 2308 (080 Core at LU)	Engr Econ	3
	MATH 2415	Calculus III	4	GOVT 2306	Texas Govt	3	MEEN 2374	Thermodynamics I	3
	PHYS 2126	Univ Physics II Lab	1	HIST 1302	U. S. History II	3			
	PHYS 2326	Univ Physics II	3	MATH 2320	Diff Equations	3			
	<b>Fall Total Credit Hours</b>		17	<b>Spring Total Credit Hours</b>		16	<b>Summer Total Credit Hours</b>		

Third Year at Lamar University	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	MEEN 3340	Engineering Analysis	3	MEEN 3210	Measurements Lab	2			
	MEEN 3311	Fluid Mechanics	3	MEEN 3310	Heat Transfer	3			
	MEEN 3380	Thermodynamics II	3	MEEN 3300	Design of Mchnsms	3			
	MEEN 2372	Mechanics of Solids	3	MEEN 3320	Mechanical Design I	3			
	INEN 3322	Materials & Manuf Processes	3	MEEN 3350	CAE	3			
	<b>Fall Total Credit Hours</b>		15	<b>Spring Total Credit Hours</b>		14	<b>Summer Total Credit Hours</b>		

Fourth Year at Lamar University	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	MEEN 4110	Seminar	1	CA Core	CA Core	3			
	MEEN 4310	Integrated Systems Design	3	MEEN 4316	Eng Design Project	3			
	MEEN 4313	Thermal System Design	3	MEEN 4317	Dynamic Systems Analysis	3			
	MEEN 4319	Materials Science	3	MEEN Elect.	MEEN Elective	3			
	MEEN 4323	Mechanical Design II	3	INEN 4320 or MATH 3370	Statistics	3			
<b>Fall Total Credit Hours</b>		13	<b>Spring Total Credit Hours</b>		15	<b>Summer Total Credit Hours</b>			

**LAMAR UNIVERSITY NOTES/COMMENTS:**

Hours Lost - 6 total:

ENGR 1201 - Intro to Engineering - 2 hours - Not required for BS ME

ENGR 1304 - Engineering Grapics - 3 hours - Not required for BS ME. Prefer ENGR 2332 Mechanics of Solids

ENGR 2105 - Electrical Circuits Lab - 1 hour - Lab not required for BS ME.

Total Hours: 132

Hours not Applied: 6

Hours in Degree: 126

LU Hours: 57

San Jacinto College Hours: 75