



Transfer Pathway: San Jacinto College AS  
 Engineering, Mechanical to Lamar University  
 BS Mechanical Engineering



First Year - Freshman							
Fall Semester				Spring Semester			
San Jac	Lamar	Course Name	Hrs	San Jac	Lamar	Course Name	Hrs
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
Total			13	Total			17

San Jac	Lamar	Course Name	Hrs	San Jac	Lamar	Course Name	Hrs
Total			0	Total			0

Fall Semester				Spring Semester			
PHYS 2326		Univ Physics II	3	MATH 2320		Diff Equations	3
Total			17	Total			16

Summer Semester at SJC and/or LU							
San Jac	Lamar	Course Name	Hrs	San Jac	Lamar	Course Name	Hrs
LPC Core		LPC Core	3	ENGR 2308	(080 Core at LU)	Engr Econ	3
MATH 2318		Linear Algebra	3	MEEN 2374		Thermodynamics I	3
Total			3	Total			3

Third Year - Junior							
Fall Semester			Spring Semester				
Lamar		Hrs	Lamar		Hrs		
MEEN 3340		3	MEEN 3210		Measurements Lab	2	
MEEN 3311		3	MEEN 3310		Heat Transfer		
					Design of Mechanism		
					Mechanical Design I		
INEN 3322		3	MEEN 3350		Computer-Aided Engineering	3	
Total			15	Total			14

Summer Semester							
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs		
Total			0	Total			0

Fourth Year - Senior					
Fall Semester			Spring Semester		
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs
MEEN 4110	Seminar	1	CA Core	Creative Arts Core	3
MEEN 4310	Integrated System Design	3	MEEN 4316	Engineering Design Project	3
MEEN 4313	Thermal Systems Design	3	MEEN 4317	Dynamic Systems Analysis	3
MEEN 4319	Materials Science	3	MEEN Elective	MEEN Elective	3
MEEN 4323	Mechanical Design II	3		Statistical Decision Making in ENGR or Intro Theory of Stat Inference	

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