



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		Fluid Mechanics	3	MEEN 3310		Heat Transfer	
		Thermodynamics II				Design of Mechanism	
		Mechanics of Solids				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	

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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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