



TRANSFER PATHWAY:

LEE COLLEGE AS ENGINEERING TO BS MECHANICAL ENGINEERING

First Year - Freshman							
Fall Semester				Spring Semester			
Lee College	Lamar	Course Name	Hrs	Lee College	Lamar	Course Name	Hrs
EDUC 1200		Learning Frameworks	2	ENGR 1304	MEEN 2213	Engineering Graphics	3
ENGR 1201	MEEN 2112	Introduction to Engineering	2	MATH 2414	MATH 2414	Calculus II with Analytic Geometry	4
ENGL 1301		English Composition I	3	SPCH 1315	COMM 1315	Principles of Public Speaking	3
MATH 2413	MATH 2413	Calculus I with Analytic Geometry	4	PHYS 2425	PHYS 2425	University Physics I	4
CHEM 1411	CHEM 1311/1111	General Chemistry I (with lab)	4	ARTS		Creative Arts Core Course	3
Total			15				17
Second Year - Sophomore							
Fall Semester				Spring Semester			
Lee College	Lamar	Course Name	Hrs	Lee College	Lamar	Course Name	Hrs
MATH 2415	MATH 2415	Calculus III with Analytic Geomentry	4	MATH 2320	MATH 2320	Differential Equations	3
PHYS 2426	PHYS 2426	University Physics II	4	ENGR 2402	MEEN 2302	Engineering Dynamics	4
ENGR 2401	MEEN 2301	Engineering Statics	4	ENGR 2308	INEN 2373	Engineering Economics	3
HIST 1301	HIST 1301	US History I	3	MATH 2318	MATH 2318	Linear Algebra	3
				HIST 1302	HIST 1302	US History II	3
Total			15				16
Summer Semester							
Lee College	Lamar	Course Name	Hrs	Lee College	Lamar	Course Name	Hrs
	MEEN 2372	Mechanics of Solids	3		MEEN 2374	Thermodynamics I	3
Total							6
Third Year - Junior							
Fall Semester				Spring Semester			
Lamar		Course Name	Hrs	Lamar		Course Name	Hrs
PHIL 2306		Ethics	3	MEEN 3210		Measurements Lab	2
MEEN 3340		Engineering Analysis	3	MEEN 3310		Heat Transfer	3
MEEN 3311		Fluid Mechanics	3	MEEN 3300		Design of Mechanism	3
INEN 3322		Engineering Materials & Manufacturing Processes	3	MEEN 3320		Mechanical Design I	3
ELEN 3310		Fundamentals of Electrical Engineering	3	INEN 4320 or MATH 3307		Statistical Decision Making in Engineering or Introduction to the Theory of Statistical Inference	3
Total			15	Total			14
Summer Semester							
Lamar		Course Name	Hrs	Lamar		Course Name	Hrs
POLS 2301		Intro to American Government	3	POLS 2302		Intro/American Government II	3
Total							6
Fourth Year - Senior							
Fall Semester				Spring Semester			
Lamar		Course Name	Hrs	Lamar		Course Name	Hrs
MEEN 4110		Seminar	3	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		MEEN Technical Elective	3
MEEN 4319		Material Science	3	Elective		Free Elective	3
MEEN 4323		Mechanical Design II	3				
MEEN		MEEN Technical Elective	3				
Total			16	Total			12