



TRANSFER PATHWAY: LEE COLLEGE AS EGR3 TO ELECTRICAL 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 2304	ELEN 1301	Programming for Engineering	3
ENGR 1201	ELEN 1100	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 2405	ELEN 2411	Electrical Circuits I	4
HIST 1301	HIST 1301	History of the United States to 1877	3	MATH 2318	MATH 2318	Linear Algebra	3
ENGR 2308	INEN 2373	Engineering Economics	3	HIST 1302	HIST 1302	History of the United States since 1877	3
Total			14				13
Summer Semester							
Lee College	Lamar	Course Name	Hrs	Lee College	Lamar	Course Name	Hrs
	ELEN 3381	Electrical Analysis	3		ELEN 3431	Digital Systems Design I	3
Total							6
Third Year - Junior							
Fall Semester				Spring Semester			
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs		
PHIL 2306 or PHIL 1370	Ethics or Philosophy of Knowledge	3	ELEN 3371	Electromagnetics	3		
INEN 3320 or MATH 3370	Probability and Statistics for Engineering or Introduction to the Theory of Statistical Inference	3	ELEN 3313	Signals, Systems and Transforms	3		
ELEN 3312	Circuits Analysis II	3	ELEN 3322	Electronics II	3		
ELEN 3421	Electronics I	4	ELEN 4387	Computer Organization and Architecture	3		
ELEN 4486	Embedded Microprocessor Systems	4					
Total			17	Total			12
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		
ELEN 3441	Fundamentals of Power Engineering	4	ELEN 4307	Senior Project Design II	3		
ELEN 4306	Senior Project Design I	3	ELEN	Elective 3000-4000	3		
ELEN 4351	Control Engineering	3	ELEN	Elective 3000-4000	3		
ELEN 4361	Communication Systems	3	ELEN	Elective 3000-4000	3		
Total			13	Total			12