



TRANSFER PATHWAY: LEE COLLEGE AS EGR3 TO CIVIL 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	CVEN 1201	Programming for Engineering	3
ENGR 1201	INEN 1101	Introduction to Engineering	2	MATH 2414	MATH 2414	Calculus II with Analytic Geometry	4
ENGL 1301	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	CHEM 1312/1112	Creative Arts Core	3
Total			15				17
Summer Semester							
Lee College	Lamar	Course Name	Hrs	Lee College	Lamar	Course Name	Hrs
GOVT 2305	POLS 2301	Federal Government	3	GOVT 2306	POLS 2302	Texas Government	3
Total			3				6
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 Geometry	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	History of the United States to 1877	3	HIST 1302	HIST 1302	History of the United States since 1877	3
Total			15				13
Summer Semester							
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs		
CVEN 3311	Introduction to Environmental Engineering	3	CVEN 2370	Intro to CAD and Surveying	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	CVEN 3300	Engineering Material Systems	3		
MATH 3370 or INEN 3320	Introduction to the Theory of Statistical Inference or Probability and Statistics for Engineering	3	CVEN 3360	Engineering Hydrology	3		
CVEN 2372	Mechanics of Solids	3	CVEN 3370	Water & Wastewater Treatment	3		
CVEN 3340	Structural Analysis	3	CVEN 3390	Geo-technical Engineering	3		
CVEN 3351	Fluid Mechanics	3	Science Elective (select 1): GEOL 1403 - Geology I: Physical Geology BIOL 1406 - General Biology I (Majors)		4		
Total			15	Total		16	
Fourth Year - Senior							
Fall Semester				Spring Semester			
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs		
CVEN elective (select 1): CVEN 4320 - Engineering Project Management CVEN 4370 - Computer Aided Design CVEN 4375 - GIS for Civil Engineers		3	CVEN elective (select 1): CVEN 4320 - Engineering Project Management CVEN 4370 - Computer Aided Design CVEN 4375 - GIS for Civil Engineers		3		
CVEN 4340	Foundation Engineering	3	CVEN 4350	Hydraulic Engineering	3		
CVEN 4380	Reinforced Concrete Design	3	CVEN 4390	Structural Steel Design	3		
CVEN 4212	Civil Engineering System Design Project	2	CVEN 4313	Civil Engineering System Design Project (II)	3		
CVEN 4110	Seminar	1					
CVEN 4365	Introduction to Transportation Engineering	3					
Total			15	Total		12	