



Transfer Degree Map: LSC to LU Engineering Bachelor of Science in Civil Engineering



4 – Year Suggested Academic Plan for Transfer

First Year - Freshman							
Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
EDUC 1300		Learning Framework: 1 st Year Exp.	3	PHIL 1301 (1)		Intro to Philosophy	3
ENGL 1301		Composition and Rhetoric I	3	MATH 2414		Calculus II	4
MATH 2413		Calculus I	4	PHYS 2425		Mechanics & Heat	4
CHEM 1411		General Chemistry I	4	GOVT 2305		Federal Government	3
ENGR 1201		Intro to Engineering	2	HIST 1301		US History to 1877	3
Total			16	Total			17
Second Year - Sophomore							
Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
PHYS 2426		Electricity, Magnetism & Light	4	ENGR 2302		Engineering Mechanics: Dynamics	3
ENGR 2301		Engineering Mechanics: Statics	4	ENGR 2304		Programming for Engineers	3
MATH 2318		Linear Algebra	3	MATH 2320		Differential Equations	3
MATH 2415		Calculus III	3	GOVT 2306		Texas Government	3
HIST 1302		US History from 1877		ENGR 1304		Engineering Graphics	3
Total			17	Total			15
Summer Semester							
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	CHEN 2374	Thermodynamics	3		CVEN 2372	Mechanics of Solids	3
COMM 1315 (2)		Public Speaking	3				
Total			6	Total			3
Third Year - Junior							
Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	CVEN 2270	Surveying	2		CVEN 2300	Materials Engineering	2
	CVEN 3310	Water Chem in Env. Eng.	3		CVEN 3360	Engineering Hydrology	3
	CVEN 3340	Structural Analysis	3		CVEN 3370	Water and Wast Water Treatment	3
	CVEN 3350	Hydraulics	3		CVEN 3390	Geotechnical Engineering	3
	CVEN 3290	Eng. Probability & Statistics	2		Science Elective (4)	Choose from options below (core)	3-4
			13	Total			14-15
Fourth Year - Senior							
Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	CVEN 4312	CE Systems Design Project (I)	3		CVEN Elective (5)		3
	CVEN 4365	Intro to Transportation Engr.	3		CVEN 4350	Hydraulics Engineering	3
	CVEN 4340	Foundation Engineering	3		CVEN 4390	Structural Steel Design	3
	CVEN 4380	Reinforced Concrete Design	3		CVEN 4313	CE System Design Project (II)	3
	CVEN 4110	Seminar	1		INEN 2373	Engineering Economics	3
Creative Arts (3)		Choose from options below (core)	3				
Total			16	Total			15

Notes/Comments: All STEM courses require a grade of "C" or better to satisfy degree plan/prerequisite requirements.

- (1) or PHIL 2306 Ethics
- (2) or COMM 1315
- (3) Creative Arts electives are: ARTS 1301, ARTS 1303, MUSI 1306 or DANC 2303
- (4) INEN 4320 or MATH 3370 or another calculus-based probability and statistics course approved by the MEEN Chair.