



# Transfer Degree Map: LSC to LU Engineering Bachelor of Science in Mechanical 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 <sup>st</sup> Year Exp.	3	GOVT 2305		Federal Government	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	ENGR 1304		Engineering Graphics	3
ENGR 1201		Introduction to Engineering	2	HIST 1301		US History to 1877	3
<b>Total</b>			<b>16</b>	<b>Total</b>			<b>17</b>

### Second Year - Sophomore

Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
PHYS 2426		Electricity, Magnetism & Light	4	ENGR 2405		Electrical Circuits I	4
ENGR 2301		Engineering Mechanics: Statics	3	ENGR 2302		Engineering Mechanics: Dynamics	3
MATH 2318		Linear Algebra	3	GOVT 2306		Texas Government	3
MATH 2415		Calculus III	4	MATH 2320		Differential Equations	3
ENGR 2304		Programming for Engineers	3	HIST 1302		US History from 1877	3
<b>Total</b>			<b>17</b>	<b>Total</b>			<b>16</b>

### Summer Semester

LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	MEEN 2374	Thermodynamics	3		CVEN 2372	Mechanics of Solids	3
SPCH 1315(2)		Public Speaking	3				
<b>Total</b>			<b>6</b>	<b>Total</b>			<b>3</b>

### Third Year - Junior

Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	MEEN 3340	Engineering Analysis	3		MEEN 3210	Measurement Lab	2
	MEEN 3311	Fluid Mechanics	3		MEEN 3310	Heat Transfer	3
	MEEN 3380	Thermodynamics II	3		MEEN 3300	Design of Mechanisms	3
	INEN 3322	Process Engineering	3		MEEN 3320	Mechanical Design I	3
	PHIL 1301 (1)	Intro to Philosophy	3		MEEN 3350	CAE	3
	INEN 2373	Engineering Economics	3		Creative Arts (3)	Choose from options below	3
<b>Total</b>			<b>18</b>	<b>Total</b>			<b>17</b>

### Fourth Year - Senior

Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	MEEN 4110	Seminar	1		MEEN 4316	Engineering Design Project	3
	MEEN 4310	Integrated Systems Design	3		MEEN 4317	Dynamic Systems Analysis	3
	MEEN 4313	Thermal System Design	3		MEEN Elective		3
	MEEN 4319	Materials Science	3		INEN 4320 OR MATH 3370 (4)	Statistics	3
	MEEN 4323	Mechanical Design II	3				
	MEEN Elective		3				
<b>Total</b>			<b>16</b>	<b>Total</b>			<b>12</b>

**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 SPCH 1321
- (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.