

## Transfer Pathway: Houston Community College AS Engineering Science, Mechanical to Lamar University BS Industrial Engineering



		First	t Year	- Freshman			
	Fa	all Semester			Sp	ring Semester	
HCC	Lamar	Course Name	Hrs	HCC	Lamar	Course Name	Hrs
ENGR 1201		Intro to ENGR	2	ENGR 1304		ENGR Graphics I	3
ENGL 1301		English Comp I	3	ENGL 2311		Technical & Business Writing	3
HIST Core		History Core	3	MATH 2414		Calculus II	4
MATH 2413		Calculus I	4	PHYS 2325		Univ Physics I	3
CHEM 1412		General Chemistry w/lab II	4	PHYS 2125		Univ Physics I Lab	1
				ENGR 2304		Programming for ENGR	3
Total			16	Total			17
		Sı	ımmer	Semester			
HCC	Lamar	Course Name	Hrs	HCC	Lamar	Course Name	Hrs
Total			0	Total			0
Total			0	Total			0
	-		d Year	- Sophomore	0	ning Comments	
1100	Fall Semester			1100	Spring Semester		
HCC	Lamar	Course Name	Hrs	HCC	Lamar	Course Name	Hrs
ENGR 2301		Statics	3	ENGR 2305		Circuits I	3
GOVT 2305		Federal Govt	3	ENGR 2105		Circuits I Lab	1
MATH 2415		Calculus III	4	MATH 2320		Differential Equations	3
PHYS 2326		Univ Physics II	3	ENGR 2302		Dynamics	3
PHYS 2126		Univ Physics II Lab	1	ECON 2301 or 2302		Micro or Macro Economics	3
Total	'		14	Total			13
rotat		Summer		ster at HCC or LU			10
HCC	Lamar	Course Name	Hrs	HCC	Lamar	Course Name	Hrs
MATH 2318	2011101	Linear Algebra	3	LPC Core	Zarriar	LPC Core	3
ENGR 2308	INEN 2373	Engr Economics	3	2. 0 00.0		2. 0 00.0	<u> </u>
Total			6	Total			3
			ind Va				
	E.		ira ye	ar - Junior	S.n.	ring Compater	
1	Fall Semester		Har	1	Spring Semester  Course Name		11
Lamar	Course Name Probability & Statistics for Engineering		Hrs	Lamar INEN 4320			Hrs
INEN 3320			3		Statistical Decision Making in Engineering		3
INEN 4315	Industrial Management		3	INEN 4345	Computer Integrated Manufacturing Operations Research		3
INEN 4350	Production & Inventory Control		3	INEN 4370	Operations Research		3
INEN 3322	Engineering Materials & Manufacturing Processes		3	INEN 4300	Quality Improvement		3
				INEN 3380		Work Design	3
Total			12	Total			15
		Sı	ımmer	Semester			
Lamar	Course Name		Hrs	Lamar		Course Name	
POLS 2301	Politic	cal Science I (GOVT 2306)	3	HIST 1302		US History II	3
Total			3	Total			3
		Fou	ırth Ye	ar - Senior			
	Fa	all Semester			Sp	ring Semester	
Lamar		Course Name	Hrs	Lamar		Course Name	Hrs
INEN 4323		IE Systems Design	3	INEN 4385		IE Design	3
INEN 4375	Simula	ation of Industrial Systems	3	Technical		Technical Elective	3
				Elective			
INEN 4316	Indu	Industrial & Product Safety		Technical	Technical Elective		3
INEN 4396	Autor	nated System Engineering	3	Elective CA Core		Creative Arts Core	3
	Auton	Tated System Engineering				CICULIVE AILS COIE	
Total			12	Total			12

## Notes:

Engineering Economics can be used as both Pre-rec and social and behavioral science elective at LU.

4 hours saved by having CHEM II required (assume Chem 1 completed as pre-rec)

Dynamics and computer graphics transferred as INEN Elective

Total number of hours is 126

## HCC hours not used:

ECON 2301 or 2302

One hour of circuits lab is not used

2 hour Intro to Engineering is used for 1 hour LU course