



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



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

HCC	Lamar	Course Name	Hrs	HCC	Lamar	Course Name	Hrs
Total			0	Total			0

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 & 2302		Micro or Macro Economics	3
Total			14	Total			13

HCC	Lamar	Course Name	Hrs	HCC	Lamar	Course Name	Hrs
MATH 2318		Linear Algebra	3	LPC Core		LPC Core	3
ENGR 2308	INEN 2373	Engr Economics	3				
Total			6	Total			3

Lamar	Hrs	Lamar	Hrs
INEN 3320	3	INEN 4320	3
INEN 4315	3	INEN 4345	3
INEN 4350	3	INEN 4370	3
INEN 3322	3	INEN 4300	3
		INEN 3380	3
Total	12	Total	15

Lamar	Hrs	Lamar	Hrs
POLS 2301	3	HIST 1302	3
Total	3	Total	3

Fourth Year - Senior							
Fall Semester				Spring Semester			
Lamar	Hrs	Lamar	Hrs	Lamar	Hrs	Lamar	Hrs
INEN 4323	3	INEN 4385	3	INEN 4385	3	INEN 4385	3
INEN 4375	3	Technical Elective	3	Technical Elective	3	Technical Elective	3
INEN 4316	3	Technical Elective	3	Technical Elective	3	Technical Elective	3
INEN 4396	3	CA Core	3	CA Core	3	CA Core	3
Total	12	Total	12	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