

San Jacinto College AS Engineering to LU BS Industrial Engineering

First Year at San Jacinto College	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	CHEM 1111	Gen Chem I Lab	1	ENGL 1302 or 2311	English Comp II or Tech Wrting	3			
	CHEM 1311	General Chemistry I	3	CHEM 1312	General Chem II	3			
	ENGL 1301	English Comp I	3	CHEM 1112	Gen Chem II Lab	1			
	ENGR 1201	Intro to Engineering	2	GOVT 2305	Federal Govt	3			
	MATH 2413	Calculus I	4	MATH 2414	Calculus II	4			
				PHYS 2125	Univ Physics I Lab	1			
				PHYS 2325	Univ Physics I Lab	3			
	Fall Total Credit Hours		13	Spring Total Credit Hours		18	Summer Total Credit Hours		

Second Year at San Jacinto College	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	ENGR 2301	Statics	3	ENGR 2105	Elect Circuits Lab	1	LPC Core	LPC Core	3
	ENGR 2304	Programming	3	ENGR 2308 (080 core at LU)	Engineering Econ	3	MATH 2318	Linear Algebra	3
	HIST 1301	U S History I	3	ENGR 2305	Elect Engineering	3	Creative Arts Core	Creative Arts Core	3
	MATH 2415	Calculus III	4	GOVT 2306	Texas Govt	3	ENGR 2302	Dynamics	3
	PHYS 2126	Univ Physics II Lab	1	HIST 1302	U. S. History II	3			
	PHYS 2326	Univ Physics II	3	MATH 2320	Diff Equations	3			
	Fall Total Credit Hours		17	Spring Total Credit Hours		16	Summer Total Credit Hours		

Third Year at Lamar University	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	INEN 3320	Prob & Stats Engineering	3	INEN 4320	Stat. Decision Making Engr.	3			
	INEN 4315	Industrial Mgmt	3	INEN 4345	Comp Integrated Mfg.	3			
	INEN 4350	Product & Inventory Cntrl	3	INEN 4370	Oper Research	3			
	INEN 3322	Engnrng Materials/Process	3	INEN 4300	Quality Improvement	3			
				INEN 3380	Work Design	3			
	Fall Total Credit Hours		12	Spring Total Credit Hours		15	Summer Total Credit Hours		

Fourth Year at Lamar University	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	INEN 4323	IE Systems Design	3	INEN 4385	IE Design	3			
	INEN 4375	Simulation IE Systems	3	INEN 4396	Autom Sys Engineering	3			
	INEN 4316	Industrial & Product Safety	3	Technical Elective	Technical Elective	3			
Technical Elective	Technical Elective	3							
Fall Total Credit Hours		12	Spring Total Credit Hours		9	Summer Total Credit Hours			

LAMAR UNIVERSITY NOTES/COMMENTS:

Hours Lost - 3 total:

ENGR 1201 Intro to Engineering - 1 (1 hour course at LU instead of 2)

ENGR 2105 Elect Circuits Lab - 1 (1 hour lab not counted)

Math 2415 Cal III - 1 (Counted as 3 hour elective)

Total Hours: 124

Hours Not Applied: 3

Hours in Degree: 121

Hours at LU: 48

Hours at San Jacinto College: 76

Note: up to 2 lower division courses can be used as INEN electives. We will count CAL III, ENGR 2302 Dynamics, CHEM 2323 Organic Chem I, CHEM 2335 Organic Chem II, or ENGL 2311 Technical and Business Writing.