

First Year - Freshman							
Fall Semester				Spring Semester			
San Jac	Lamar	Course Name	Hrs	San Jac	Lamar	Course Name	Hrs
CHEM 1111		Gen Chem I Lab	1	ENGL 1302 or 2311		English Comp II or Tech Wrtnng	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
Total			13	Total			18
Summer Semester							
San Jac	Lamar	Course Name	Hrs	San Jac	Lamar	Course Name	Hrs
Total			0	Total			0
Second Year - Sophomore							
Fall Semester				Spring Semester			
San Jac	Lamar	Course Name	Hrs	San Jac	Lamar	Course Name	Hrs
ENGR 2301		Statics	3	ENGR 2105		Elect Circuits Lab	1
ENGR 2304		Programming	3	ENGR 2308	(080 core at LU)	Engineering Econ	3
HIST 1301		U S History I	3	ENGR 2305		Elect Engineering	3
MATH 2415		Calculus III	4	GOVT 2306		Texas Govt	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
Total			17	Total			16
Summer Semester							
San Jac	Lamar	Course Name	Hrs	San Jac	Lamar	Course Name	Hrs
LPC Core		LPC Core	3	CA Core		Creative Arts Core	3
MATH 2318		Linear Algebra	3	ENGR 2302		Dynamics	3
Total			6	Total			6
Third Year - Junior							
Fall Semester				Spring Semester			
Lamar	Course Name	Hrs		Lamar	Course Name	Hrs	
INEN 3320	Prob & Stats for Engineering	3		INEN 4320	Statistical Decision Making for Engr	3	
INEN 4315	Industrial Management	3		INEN 4345	Computer Integrated Manufacturing	3	
INEN 4350	Product & Inventory Control	3		INEN 4370	Operations Research	3	
INEN 3322	Engineering Materials & Process	3		INEN 4300	Quality Improvement	3	
				INEN 3380	Work Design	3	
Total		12		Total		15	
Summer Semester							
Lamar	Course Name	Hrs		Lamar	Course Name	Hrs	
Total		0		Total		0	
Fourth Year - Senior							
Fall Semester				Spring Semester			
Lamar	Course Name	Hrs		Lamar	Course Name	Hrs	
INEN 4323	IE Systems Design	3		INEN 4385	IE Design	3	
INEN 4375	Simulation IE Systems	3		INEN 4396	Automated System Engineering	3	
INEN 4316	Industrial & Product Safety	3		Tech Elect	Technical Elective	3	
Tech Elect	Technical Elective	3					
Total		12		Total		9	

Notes:

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.