



Lamar State College – Orange AS Pre-Engineering to LU BS Industrial Engineering

First Year at LSCO	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	EDUC 1300	Learning Framework	3	HIST 1302	US History II	3			
	ENGL 1301	English Comp I	3	CHEM 1411	General Chem I	4			
	HIST 1301	US History I	3	PHYS 2425	University Physics I	4			
	MATH 2413	Calculus I	4	MATH 2414	Calculus II	4			
	CA Core	CA Core	3	COMM Core	COMM Core	3			
	<b>Fall Total Credit Hours</b>		16	<b>Spring Total Credit Hours</b>		18	<b>Summer Total Credit Hours</b>		

Second Year at LSCO	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	GOVT 2305	Federal Govt	3	SBS Core	SBS Core	3	ENGR 2304 or INEN 2360	Programming for Engineers	3
	MATH 2415	Calculus III	4	LPC Core	LPC Core	3	MATH 2320 or MATH 3301	Differential Equations	3
	PHYS 2426	University Physics II	4	GOVT 2306	Texas Govt	3	INEN 2373 or ENGR 2308	Engineering Economics	3
	ENGR 2301	Statics	3	MATH 2318	Linear Algebra	3			
<b>Fall Total Credit Hours</b>		14	<b>Spring Total Credit Hours</b>		12	<b>Summer Total Credit Hours</b>		9	

Third Year at Lamar University	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	INEN 3320	Prob & Statistics Engineering	3	INEN 4320	Stat. Decision Making Engr.	3	ELEN 3310	Fundamentals of Electrical Engr.	3
	INEN 4315	Industrial Mgmt.	3	INEN 4345	Computer Integrated Mfg.	3			
	INEN 4350	Production & Inventory Control	3	INEN 4370	Operations Research	3			
	INEN 3322	Engineering Materials/Process	3	INEN 4300	Quality Improvement	3			
	INEN 1101	Intro to Engineering	1	INEN 3380	Work Design	3			
	<b>Fall Total Credit Hours</b>		13	<b>Spring Total Credit Hours</b>		15	<b>Summer Total Credit Hours</b>		3

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 of IE Systems	3	INEN 4396	Automated System Engineering	3			
	INEN 4316	Industrial and Product Safety	3	Technical Elective	Technical Elective	3			
	Technical Elective	Technical Elective	3	Chem 1312 & 1112	Chemistry II	4			
	Technical Elective	Technical Elective	3						
<b>Fall Total Credit Hours</b>		15	<b>Spring Total Credit Hours</b>		13	<b>Summer Total Credit Hours</b>			

**LAMAR UNIVERSITY NOTES/COMMENTS:**

ENGR 2304/INEN 2360 can also take COSC 1336 – Programming Fundamentals I. CAL III used as tech elective.

