

San Jacinto College AS Engineering, Chemical to LU BS Chemical 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 Lab	1	MATH 2414	Calculus II	4			
	CHEM 1311	Gen Chem I	3	CHEM 1112	Gen Chem II lab	1			
	ENGL 1301	English Comp I	3	CHEM 1312	Gen Chem II	3			
	ENGR 1201	Intro to Engineering	2	PHYS 2125	Univ Physics I Lab	1			
	MATH 2413	Calculus I	4	PHYS 2325	Univ Physics I	3			
	GOVT 2305	Federal Govt	3	ENGL 1302 or 2311	English Comp II or Tech Wrtng	3			
				GOVT 2306	Texas Govt	3			
Fall Total Credit Hours		16	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
	MATH 2415	Calculus III	4	MATH 2320	Diff Equations	3	CA Core	CA Core	3
	PHYS 2126	Univ Physics II Lab	1	MATH 2318	Linear Algebra	3	LPC Core	LPC Core	3
	PHYS 2326	Univ Physics II	3	HIST 1302	US History II	3			
	CHEM 2123	Org Chem I Lab	1	ENGR 2305	EE Circuits	3			
	CHEM 2323	Org Chem I	3	ENGR 2105	EE Circuits Lab	1			
	ENGR 2304	Prgmmng for Engrs	3	ENGR 2308 (080 core at LU)	Engineering Econ	3			
	HIST 1301	US History I	3						
Fall Total Credit Hours		18	Spring Total Credit Hours		16	Summer Total Credit Hours			6

Third Year at Lamar University	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	CHEM 2374	Thermodynamics I	3	CHEM 3340	Process Analysis	3			
	CHEM 3401	Quantitative Analysis	4	CHEM 2100	Computer Aided Modeling	1			
	CHEM 3312	Organic Chem II	3	MATH 3370	Intro Stat Theory	3			
	CHEM 3112	Org Chem II lab	1	CHEM 2140	Professional Seminar	1			
Fall Total Credit Hours		11	Spring Total Credit Hours		8	Summer Total Credit Hours			

Fourth Year at Lamar University	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	CHEM 3330	Thermo II	3	CHEM 3320	Heat Transfer	3			
	CHEM 3311	Momentum Transfer	3	CHEM 4410	Reaction Kinetics	4			
	CHEM Elective	CHEM Elective	3	CHEM Elective	CHEM Elective	3			
Fall Total Credit Hours		9	Spring Total Credit Hours		10	Summer Total Credit Hours			

Fifth Year at Lamar University	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	CHEM 4331	Process Control I	3	CHEM 4332	Process Control II	3			
	CHEM 4320	Mass Transfer	3	CHEM 4150	Process Control Lab	1			
	CHEM 4310	Laboratory I	3	CHEM 4340	Plant Design II	3			
	CHEM 4360	Plant Design I	3	CHEM 4350	Advanced Analysis	3			
			CHEM Elective	CHEM Elective	3				
Fall Total Credit Hours		12	Spring Total Credit Hours		13	Summer Total Credit Hours			

LAMAR UNIVERSITY NOTES/COMMENTS:

Hours not used - 7 total:

ENGR 1201 Intro to Engineering - 1 hour unused. 1 hour course at LU instead of 2.

ENGR 2305 Electrical Circuits and 2105 Circuits Lab - 4 hours unused. Not required for BS Chemical Engineering at LU.

ENGR 2304 Programming for Engineering. Not required for BS Chemical Engineering at LU.