

San Jacinto College AS Natural Science to LU BS Physics

First Year at San Jacinto College	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	ENGL 1301	English Comp I	3	COMM Core*	Comm Core*	3			
	CHEM 1311	General Chemistry I	3	MATH 2413	Calculus I	4			
	CHEM 1111	General Chemistry I Lab	1	CHEM 1312	General Chemistry II	3			
	CA Core	CA Core	3	CHEM 1112	General Chemistry II Lab	1			
	HIST Core	History Core	3	GOVT 2305	Federal Govt	3			
	EDUC or PSYC 1100	Learning Frmworks	1	SBS Core	SBS Core	3			
	Fall Total Credit Hours		14	Spring Total Credit Hours		17	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
	HIST Core	History Core	3	LPC Core	LPC Core	3			
	GOVT 2306	Texas Govt	3	MATH 2415	Calculus III	4			
	MATH 2414	Calculus II	4	PHYS 2326	Univ Physics II	3			
	PHYS 2325	Univ Physics I	3	PHYS 2126	Univ Physics II Lab	1			
	PHYS 2125	Univ Physics I Lab	1	GEOL 1304/1104 or BIOL 1308/1108**	Historical Geology or Biology II**	4			
	Fall Total Credit Hours		14	Spring Total Credit Hours		15	Summer Total Credit Hours		

Third Year at Lamar University	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	Elective	Consult Advisor	3	PHYS 3314	Math Methods	3			
	MATH 3328	Linear Algebra	3	PHYS 3350	Modern Physics	3			
	MATH 3301	Diff. Equations	3	PHYS 3430	Analytical Mechanics	4			
	Elective	Consult Advisor	3	Conc. course	Consult Advisor	3			
	Elective	Consult Advisor	3	Elective	Consult Advisor	3			
	Fall Total Credit Hours		15	Spring Total Credit Hours		16	Summer Total Credit Hours		

Fourth Year at Lamar University	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	PHYS 4320	Quantum Mechanics	3	PHYS 4480	Optics	4			
	PHYS 4370	Solid State Physics	3	PHYS 3390	Statistical Physics	3			
	PHYS 3380	Electricity and Magnetism	3	PHYS 4301	Special Topics	3			
	Math Elective	Consult Advisor	3	Conc. course	Consult Advisor	3			
	Conc. course	Consult Advisor	3	Elective	Consult Advisor	3			
Fall Total Credit Hours		15	Spring Total Credit Hours		16	Summer Total Credit Hours			

NOTES/COMMENTS:

*LU prefers ENGL 1302 English Comp II or COMM 1315 Public Speaking

**LU prefers GEOL 1304/1104 Historical Geology with Lab