

Alvin CC AS Computer Science to LU BS Computer Science

First Year at Alvin CC	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	COSC 1436	Programming Funds I	4	COSC 1437	Programming Funds II	4	MATH 2414	Calculus II	4
	ENGL 1301	English Comp I ±	3	ENGL 1302	English Comp II ±	3			
	MATH 1314	College Algebra ±	3	GOVT 2306	Texas Govt ±	3			
	ECON 2301	Principles of Macro ±	3	MATH 2413	Calculus I	4			
	Fall Total Credit Hours		13	Spring Total Credit Hours		14	Summer Total Credit Hours		4

Second Year at Alvin CC	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	HIST 1301	US History I ±	3	HIST 1302	US History II ±	3			
	COSC 2336	Programming Funds III	3	COSC 2325	Computer Org.	3			
	CA Core*	Creative Arts Core ±	3	GOVT 2305	Federal Govt ±	3			
	PHYS 2425	Univ Physics I ±	4	LPC Core	ENGL 2322 or PHIL 2306 ±	3			
			PHYS 2426	Univ Physics II ±	4				
Fall Total Credit Hours		13	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
	COSC/CPSC/ELE N Elective	COSC/CPSC/ELE N Elective	3	COSC 2375	Discrete Structure	3			
	COSC/CPSC Elective	COSC/CPSC Elective	3	CPSC 4361 CPSC 4363 COSC 4345	Security related class	3			
	MATH 2318	Linear Algebra	3	COSC 3325	Computer Law/Ethics	3			
	COSC 3304	Algo. Des & Analysis	3	COSC 3302	Computer Theory	3			
	MATH 3370	Theory Statistical	3	COSC 3308	Progr. Languages	3			
Fall Total Credit Hours		15	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
	COSC 4302	Operating Systems	3	COSC 4333	Distributed Systems	3			
	COSC/CPSC Elective	COSC/CPSC Elective	3	COSC 4310	Computer Architecture	3			
	CPSC 4340 Database	Database	3	COSC/CPSC/EIE N Elective	COSC/CPSC/EIE N Elective	3			
	CPSC 4360	Software Engineering	3	COSC 4272	Senior Assessment	2			
	Academic Elective	Academic Elective	3	CPSC 4317	Networks	3			
			COSC 1172	Think, Speak, Write	1				
Fall Total Credit Hours		15	Spring Total Credit Hours		15	Summer Total Credit Hours			

ALVIN CC NOTES/COMMENTS:

+ Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection

*Choose from ARTS 1301, 1303, MUSI 1306, 1310

Note: Preferred courses are listed for cores where not specified in the ACC degree. Student will also need to take SPCH core, MATH 1342, ACCT 2301 and 2302. Please see an advisor to determine when best to take these courses.