Alvin CC AAS Computer Info Tech-Computer Programming 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**
BCIS 1305	Bus Comp App	3	COSC 1437	Prog Fund II	4			
COSC 1436	Prog Fund I	4	ENGL 1301	English Comp I	3			
ITNW 1325	Fund of Ntwrkng	3	IMED 2415	Web Design II	4			
ITNW 1358	Network	3	MATH 1314/1332	College Alg or Quant Reas	3			
ITSE 1431	Intro to Visual BASIC Prog	4						
Fall Total Credit Hours		**17**	**Spring Total Credit Hours**		**14**	**Summer Total Credit Hours**		

Second Year at Alvin CC

FALL			SPRING			SUMMER		
Course	**Title**	**Credit Hours**	**Course**	**Title**	**Credit Hours**	**Course**	**Title**	**Credit Hours**
COSC 2336	Prog Fund III	3	COSC 2325	Comp Org	3			
ITSE 2409	Database Prog	4	ITSW 1404	Intro to Sprdshts	4			
ITMT 1357	Admin Windows Srvr Oper Sys	3	LPC/CA Core	Lang, Phil, Culture Core or Creative Arts Core	3			
ITMT 1358	Windows Client Oper Sys	3	SBS Core	Soc/Behav Sci Core	3			
SPCH 1315	Public Speaking	3						
Fall Total Credit Hours		**16**	**Spring Total Credit Hours**		**13**	**Summer Total Credit Hours**		

Third Year at Lamar University

FALL			SPRING			SUMMER		
Course	**Title**	**Credit Hours**	**Course**	**Title**	**Credit Hours**	**Course**	**Title**	**Credit Hours**
MATH 2413	Calculus I	4	COSC 3304	Algorithms Design & Analysis	3			
COSC 1172	Think, Speak, Write	1	COSC 3308	Design Prgrm Lang	3			
COSC 2375	Discrete Structures	3	COSC 3302	Intro to Comp Theory	3			
History Core	History Core	3	COSC 3325	Comp Law & Ethics	3			
L&PS Core	Life & Physical Science Core	4	L&PS Core	Life & Physical Science Core	4			
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**
MATH 2414	Calculus II	4	MATH 2318	Linear Algebra	3			
History Core	History Core	3	LPC Core	Lang/Phil/Culture Core	3			
CPSC 4360	Software Eng.	3	CPSC 4340	Database Design	3			
COSC/CPSC/ELEN Elective	Upper Level Elective	3	COSC 4310	Computer Architect	3			
CPSC 4361 or CPSC 4363	Secure Software Eng or Cybersec: Systems	3	POLS 2301	Political Science I	3			
Fall Total Credit Hours		**16**	**Spring Total Credit Hours**		**15**	**Summer Total Credit Hours**		

Contract Established: 2022

	FALL			**SPRING**			**SUMMER**		
	Course	**Title**	**Credit Hours**	**Course**	**Title**	**Credit Hours**	**Course**	**Title**	**Credit Hours**
Fifth Year at Lamar University	MATH 3370	Intro Theory Stat Infer	3	COSC/CSPC/ELEN Elective	Upper Level Elective	3			
	POLS 2302	Political Science II	3	ENGL 1302	English Comp II	3			
	COSC 4302	Operating Systems	3	COSC/CSPC/ELEN Elective	Upper Level Elective	3			
	COSC/CSPC/ELEN Elective	Upper Level Elective	3	COSC 4333	Distrib Systems	3			
	CPSC 4317	Computer Networks	3	COSC 4272	Senior Assmnt	2			
	Fall Total Credit Hours		**15**	**Spring Total Credit Hours**		**14**	**Summer Total Credit Hours**		