Transfer Pathway: Alvin Community College AS Computer Science to Lamar University BS Computer Science

First Year - Freshman

		Fall Semester				Spring Semester	
ACC	Lamar	Course Name	Hrs	ACC	Lamar	Course Name	Hrs
COSC 1436		Programming Funds I	4	COSC 1437		Programming Funds 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
Total			**13**	**Total**			**14**

		Summer Semester					
ACC	Lamar	Course Name	Hrs	ACC	Lamar	Course Name	Hrs
MATH 2414		Calculus II	4				
Total			**4**	**Total**			**0**

Second Year - Sophomore

		Fall Semester				Spring Semester	
ACC	Lamar	Course Name	Hrs	ACC	Lamar	Course Name	Hrs
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
Total			**13**	**Total**			**16**

		Summer Semester					
ACC	Lamar	Course Name	Hrs	ACC	Lamar	Course Name	Hrs
Total			**0**	**Total**			**0**

Third Year - Junior

	Faaater				Spring Semester	
Lamar	Course Name	Hrs	Lamar		Course Name	Hrs
COSC, CPSC ELEN Elective	COSC/CPSC/ELEN Elective	3	COSC 2375		Discrete Structures	3
COSC/CPSC Elective*	COSC/CPSC Elective	3	Advd Major Choice*		Advanced Security Course	3
MATH 2318	Linear Algebra	3	COSC 3325		Computer Law & Ethics	3
COSC 3304	Algorithms Design & Analysis	3	COSC 3302			3
MATH 3370	Theory of Statistical Inference	3	COSC 3308		Programming Languages	3
Total		**15**	**Total**			**15**

	Summer Semester					
Lamar	Course Name	Hrs	Lamar		Course Name	Hrs
Total		**0**	**Total**			**0**

Fourth Year - Senior

	Fall Semester				Spring Semester	
Lamar	Course Name	Hrs	Lamar		Course Name	Hrs
COSC 4302	Operating Systems	3	COSC 4333		Distributed Systems	3
COSC/CPSC Elective*	COSC/CPSC Elective	3	COSC 4310		Computer Architecture	3
CPSC 4340		3	COSC, CPSC ELEN Elective			3
CPSC 4360	Software Engineering	3	COSC 4272		Senor Assessment	2
Elective	Elective	3	CPSC 4317		Networks	3
			COSC 1172		Think, Speak, Write	1
Total		**15**	**Total**			**15**

Notes:

ACC Core Notes+ 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.

*LU Major Courses Students should consult an advisor in the Computer Science department for list of approved electives and major course choices.