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

Fall Semester / Spring Semester

Lamar	Course Name	Hrs	Lamar	Course Name	Hrs
ECON 1301	Principles & Policies	3	COSC 2375	Discrete Structures	3
MATH 2318	Linear Algebra	3	COSC 3304	Algorithms Design & Analysis	3
COSC 4302	Operating Systems	3	COSC 3325	Computer Law & Ethics	3
Advd Major Choice*	Advanced Security Course	3	CPSC 4315	Net. Systems Admin	3
Elective	Elective	3	MGMT 3310	Principle of Management	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
FINC 3310	Principles of Finance	3	CPSC 4317	Computer Networks	3
CPSC 4330 or COSC 4319	Multimedia or Computer Graphics	3	MGMT 3320	Production Management	3
CPSC 4340	Database	3	COSC/CPSC Elective*	COSC/CPSC Elective	3
COSC/CPSC Elective*	COSC/CPSC Elective	3	CPSC 4360	Software Engineering	3
COC 1172	COSC 1172	1	COSC 4272	Senior Assessment	3
Total		13	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.