



**Transfer Pathway: Houston Community College
AS Computer Science to Lamar University BS
Cybersecurity**



First Year - Freshman							
Fall Semester				Spring Semester			
HCC	Lamar	Course Name	Hrs	HCC	Lamar	Course Name	Hrs
EDUC 1300		Learning Framework	3	ENGL 1302		English Composition II	3
ENGL 1301		English Composition I	3	MATH 2413		Calculus I	4
MATH 2412		Pre-Calculus	4	COSC 1437		Program Fundamentals II	4
COSC 1436		Program Fundamentals I	4	History Core		US History Core	3
History Core		US History Core	3				
Total			17	Total			14
Summer Semester							
HCC	Lamar	Course Name	Hrs	HCC	Lamar	Course Name	Hrs
Total			0	Total			0
Second Year - Sophomore							
Fall Semester				Spring Semester			
HCC	Lamar	Course Name	Hrs	HCC	Lamar	Course Name	Hrs
MATH 2414		Calculus II	4	PHYS 2326		University Physics II	3
PHYS 2325		University Physics I	3	PHYS 2126		University Physics II Lab	1
PHYS 2125		University Physics I Lab	1	COSC 2425		Computer Organization	4
COSC 2436		Program Fundamentals III	4	SBS Core		SBS Core	3
GOVT 2305		Federal Govt	3	GOVT 2306		Texas Govt	3
Total			15	Total			14
Summer Semester							
HCC	Lamar	Course Name	Hrs	HCC	Lamar	Course Name	Hrs
Total			0	Total			0
Third Year - Junior							
Fall Semester				Spring Semester			
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs		
LPC Core	LPC Core	3	CA Core	CA Core	3		
MATH 2318	Linear Algebra	3	MATH 3370	Intro to Theory of Statistical Inference	3		
COSC 2375	Discrete Structures	3	COSC 3304	Algorithms Design & Analysis	3		
COSC 3325	Computer Law/Ethics	3	COSC 3308	Design Programming Languages	3		
CPSC 4340	Database Design	3	COSC 3302	Intro to Computer Theory	3		
			COSC 1172	Think, Speak, Write	1		
Total			15	Total			16
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 4345	Cybersecurity Networks	3		
CPSC 4317	Computer Networks	3	COSC 4365	Computer Crime Analysis	3		
CPSC 4355	Data Mining	3	CPSC 4361	Secure Software Engineering	3		
CPSC 4360	Software Engineering	3	CPSC 4363	Cybersecurity Systems	3		
COSC 4310	Computer Architecture	3	COSC 4272	Senior Assessment	2		
			Cybersecurity Advd Elective	Cybersecurity Advd Elective	3		
Total			15	Total			17
Notes:							