



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



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	CPSC 4370		Artificial Intelligence	3
MATH 2318		Linear Algebra	3	COSC 2324		Mobile Computer Game Development	3
COSC 1324		Art of Computer Game Development	3	COSC 3308		Design Programming Languages	3
COSC 3306		UNIX/C++	3	COSC 3304		Algorithms Design & Analysis	3
COSC 2375		Discrete Structures	3	COSC 3325		Computer Law/Ethics	3
CA Core		CA Core	3	COSC 3302		Intro to Computer Theory	3
Total			18	Total			18
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 4324		Computer Game Development I	3	CPSC 4381		3D Animation for Computer Graphics	3
CPSC 4380		3D Modeling & Computer Graphics	3	COSC 4325		Computer Game Development II	3
COSC 4302		Operating Systems	3	CPSC 4317		Computer Networks	3
COSC 4319		Computer Graphics	3	COSC 4310		Computer Architecture	3
CPSC 4360		Software Engineering	3	COSC 4272		Senior Assessment	2
				COSC 1172		Think, Speak, Write	1
Total			15	Total			15
Notes:							