

# Computer Game Development - 4 Year Degree Plan

2026-2027

Lamar University's **Bachelor of Science in Computer Game Development** will provide you with an understanding of the development and application of interactive digital media technologies. Coursework in the computer game development program, which is offered on-campus and online, examines human and computer interaction while hands-on labs reinforce learned principles. After graduation, you will be prepared for the innovative fields of graphic visualization, game development and computer modeling. – Contact UAC at [advising@lamar.edu](mailto:advising@lamar.edu), 409-880-8822, [lamar.edu/findadvisor](http://lamar.edu/findadvisor)

NOTE: Degree plans may change over a four-year period. This may not be the most current list of course requirements for your program. It is always advised that you check Degree Audit in Banner Self-Serv or your advisor for the most up-to-date degree requirements and to track your progress toward a degree.

FIRST YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	COMM 1315	Public Speaking I	3	___	ENGL 1301	Composition I	3	___
	COSC 1336	Programming Fundamentals I	3	___	COSC 1174	Fundamentals of Computing II Lab	1	___
	COSC 1173	Programming Lab	1	___	HIST 1302	U.S. History II Since 1877	3	___
	COSC 1172	Thinking, Speaking and Writing	1	___	Creative Arts		3	___
	COSC 1324	The Art of Computer Game Development	3	___	Life and Physical Science		3	___
	HIST 1301	U.S. History I 1763-1877	3	___	COSC 1337	Programming Fundamentals II	3	___
	Hours	14	___		Hours	16	___	

SECOND YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	ENGL 1302	Composition II	3	___	Language, Philosophy and Culture		3	___
	COSC 2324	Mobile Computer Game Development	3	___	MATH 2413	Calculus and Analytical Geometry I	4	___
	COSC 2375	Discrete Structures	3	___	POLS 2301	Intro to American Government I	3	___
	COSC 2336	Programming Fundamentals III	3	___	COSC 2325	Computer Organization	3	___
	Life/Physical Science Core	3	___					
	Hours	15	___		Hours	13	___	

THIRD YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	POLS 2302	Intro/American Government II	3	___	COSC 3325	Computer Law and Ethics	3	___
	COSC 3304	Algorithms Design and Analysis	3	___	COSC 3302	Intro to Computer Theory	3	___
	MATH 3370	Introduction to the Theory of Statistical Inference	3	___	COSC 4302	Operating Systems	3	___
	COSC 3306	UNIX/C++	3	___	MATH 2318	Linear Algebra	3	___
	COSC 3308	Design Programming Languages	3	___	Academic Elective		3	___
	Hours	15	___		Hours	15	___	

FOURTH YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	COSC 4324	Computer Game Development I	3	___	COSC 4325	Computer Game Development II	3	___
	CPSC 4380	3D Modeling for Computer Graphics	3	___	CPSC 4381	3D Animation for Computer Graphics	3	___
	COSC 4319	Computer Graphics	3	___	COSC 4310	Introduction to Computer Architecture	3	___
	CPSC 4317	Computer Networks	3	___	CPSC 4360	Software Engineering	3	___
	Social and Behavioral Science Core		3	___	CPSC 4370	Artificial Intelligence	3	___
				___	COSC 4272	Senior Assessment	2	___
	Hours	15	___		Hours	17	___	

