



BACHELOR OF ARTS COMPUTER GAME DEVELOPMENT



START WITH HOUSTON COMMUNITY COLLEGE. FINISH AT LAMAR UNIVERSITY!

Your Future

Computer Science involves every aspect of the human endeavor, from common technologies like mobile phones, artificial intelligence, medical imaging, cybersecurity, software engineering, networks and distributed systems, real-embedded systems, 3D printing, and game development. Our department encompasses a broad-based program that emphasizes the areas of computer programming languages, data structures, information systems, software engineering, applications of computer science and computer architecture.

Our industry-driven approach to computer game development focuses on a mixed skill set, including: programming, art and design. Many developers look for candidates with one of these while the best developers are capable of all three. With this diverse skill set, our graduates are prepared for advanced roles within the industry.

Career Opportunities

- Computer Systems Analyst
- Database Administrator
- Software Developer
- Web Developer
- Computer Programmer
- IT Manager
- Network Security Analyst
- Software Engineer
- Software Architect

LU SCHOLARSHIPS

AMOUNT/YEAR	TRANSFERABLE GPA	RENEWABLE?
TRANSFER ACADEMIC EXCELLENCE SCHOLARSHIP		
\$2,000	3.5-4.0	YES
\$1,500	3.0-3.49	YES
PHI THETA KAPPA (PTK) SCHOLARSHIP		
\$1,000	3.0-3.49	YES

**Based on availability and for full-time students who have earned more than 30, but less than 90 transfer credits and enrolled in on-campus programs*

TO APPLY FOR SCHOLARSHIPS

- Complete your admissions application
- Visit lamar.edu/myscholarships
- Complete the General Application

PRIORITY DEADLINES

Fall – July 1
Spring – December 1

A.A. COMPUTER INFORMATION SYSTEMS

FALL SEMESTER

EDUC 1300 – Learning Framework
ENGL 1301 – Composition I
MATH 1324 – Math for Business & Social Sciences
BCIS 1305 – Business Computer Applications
HIST #3## – American History Elective

SPRING SEMESTER

ENGL 1302 – Composition II
MATH 1325 – Calculus for Business & Social Sciences
COSC 1436 – Programming Fundamental I
XXXX – #3## – Life & Physical Sciences Elective
HIST #3## – American History Elective

FALL SEMESTER

MATH 1342 – Elementary Statistics
COSC 1437 – Programming Fundamentals II
ECON 2301 or 2302 – Macroeconomics or
Microeconomics
GOVT 2305 – Federal Government
XXXX #3## – Creative Arts Elective

SPRING SEMESTER

ACCT 2301 – Financial Accounting
COSC 2425 – Computer Organization
XXXX – #3## – Lang, Phil and Culture
GOVT 2306 – Texas Government

SUMMER AT HCC

Lab Science Elective
SPCH 1315 – Public Speaking
MATH 2413 – Calculus I
MATH 2318 – Linear Algebra

B.A. COMPUTER GAME DEVELOPMENT

FALL SEMESTER

COSC 2336 – Fundamental III
COSC 2324 – Mobile Game Dev.
COSC 2375 – Discrete Structures
CPSC 4380 – 3D Modeling
COSC 1324 – Intro. Game Dev.

SPRING SEMESTER

MATH 3370 – Intro. Theory Statistical Inference
CPSC 4381 – 3D Animation
COSC 3306 – C++ Programming
COSC 3302 – Theory
COSC 4302 – Operating Systems

FALL SEMESTER

COSC 4324 – Game Dev. I
CPSC 4317 – Networks
COSC 3304 – Alg. Design & Analysis
COSC 3308 – Programming Lang.
CPSC 4360 – Software Engr.

SPRING SEMESTER

COSC 4325 – Game Dev. II
COSC 3325 – Law & Ethics
COSC 4310 – Architecture
COSC 4319 – Computer Graphics
CPSC 4370 – Artificial Intelligence



I'm ready to apply.
What's next?

You've made a great choice!
Follow the steps below to becoming a Cardinal.

HOW TO APPLY

REQUIRED STEPS

1. Finish your degree at Houston Community College
2. Complete your application and transfer to LU through [ApplyTexas.org](https://www.applytexas.org)



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LAMAR UNIVERSITY



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and take a virtual tour lamar.edu/visit