



BACHELOR OF SCIENCE 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.S. COMPUTER SCIENCE

FALL SEMESTER

EDUC 1300 – Learning Framework
ENGL 1301 – Composition I
MATH 2412 – Pre-Calculus Math
COSC 1436 – Programming Fund. I
HIST #3## – American History Elective

SPRING SEMESTER

ENGL 1302 – Composition II
MATH 2413 – Calculus I
COSC 1437 – Programming Fund II
HIST #3## – American History Elective

FALL SEMESTER

MATH 2414 – Calculus III
PHYS 2325 – University Physics I
PHYS 2125 – University Physics I Lab
COSC 2436 – Programming Fund III
GOVT 2305 – Federal Government

SPRING SEMESTER

PHYS 2326 – University Physics II
PHYS 2126 – University Physics II Lab
COSC 2425 – Computer Organization
XXXX – #3## – Social & Behavioral Sciences Elective
GOVT 2306 – Texas Government

SUMMER SESSION AT HCC

SPCH 1315 – Public Speaking
Lang, Phil, Culture Elective
MATH 2318 – Linear Algebra
Creative Arts Elective

B.S. COMPUTER GAME DEVELOPMENT

FALL SEMESTER

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



OFFICE OF ADMISSIONS & RECRUITMENT
LAMAR UNIVERSITY



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PLANAVISITTOCAMPUS (409) 880-8316

and take a virtual tour lamar.edu/visit