



BACHELOR OF SCIENCE COMPUTER GAME DEVELOPMENT

YOUR
Moment
IS HERE



START WITH ALVIN 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.S. COMPUTER INFORMATION TECHNOLOGY

FALL SEMESTER

BCIS 1305 - Business Computer Applications
INTW 1325 - Fundamentals of Networking
INTW 1358 - Network +
ITSE 1431 - Intro to Visual BASIC Programming
PSYC 1300 - Learning Framework

SPRING SEMESTER

COSC 1436 - Programming Fundamentals I C++
ENGL 1301 - Composition I
ITMT 1357 - Administering a Windows Server Operating System
MATH 2431 - Calculus I

FALL SEMESTER

COSC 1437 - Programming Fundamentals 2 - Java
IMED 2415 - Web Design 2
ITSW 1404 - Intro to Spreadsheets
LPS - Life and Physical Science

SPRING SEMESTER

CCR - Core Curriculum Requirement - Lang Phil Culture
COSC 2336 - Programming Fundamental 3
COSC 2325 - Computer Organization & Machine Language
ITSE 2409 - Database Programming

ADDITIONAL SEMESTRES

POLS 2301 - American Government I
COMM 1315 - Public Speaking
MATH 2318 - Linear Algebra
Creative Arts Elective
HIST 1301 - US History I

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
COSC 3308

SPRING SEMESTER

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

SUMMER (if applicable)

HIST 1302 - US History
POLS 2302 - American Government I
ENGL 1302 - Composition II
Soc Sci Elective

FALL SEMESTER

COSC 4324 - Game Dev I
CPSC 4317 - Networks
COSC 3304 - Alg Design & Analysis
COSC 4272 - Senior Seminar
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

SUMMER (if applicable)

Life Science Elective



HOW TO APPLY

REQUIRED STEPS

1. Finish your degree at Alvin Community College
2. Complete your application and transfer to Lamar University through ApplyTexas.org
3. Finish your Computer Game Development degree on campus



OFFICE OF ADMISSIONS & RECRUITMENT
LAMAR UNIVERSITY



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PLAN A VISIT TO CAMPUS (409) 880-8316

plan or take a virtual tour at lamar.edu/visit