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

<table>
<thead>
<tr>
<th>Amount/Year</th>
<th>Transferable GPA</th>
<th>Renewable?</th>
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<tr>
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<td>YES</td>
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</table>

TRANSFER ACADEMIC EXCELLENCE SCHOLARSHIP*

PHI THETA KAPPA (PTK) SCHOLARSHIP

*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

## Plan a Visit to Campus (409) 880-8316
- plan or take a virtual tour at lamar.edu/visit

Lamar University is an equal opportunity/affirmative action educational institution.

## 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

# 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

Office of Admissions & Recruitment
Lamar University

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## How to Apply

- Follow the steps below to become a Cardinal.

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