



## BACHELOR OF SCIENCE COMPUTER GAME DEVELOPMENT

YOUR  
*Moment*  
IS HERE



**START WITH LAMAR STATE COLLEGE ORANGE. 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?
<b>TRANSFER ACADEMIC EXCELLENCE SCHOLARSHIP*</b>		
<b>\$2,000</b>	3.5-4.0	YES
<b>\$1,500</b>	3.0-3.49	YES
<b>PHI THETA KAPPA (PTK) SCHOLARSHIP</b>		
<b>\$1,000</b>	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](http://lamar.edu/myscholarships)
- Complete the General Application

#### PRIORITY DEADLINES

Fall – July 1  
Spring – December 1

## A.S. COMPUTER SCIENCE

### FALL SEMESTER

BCIS 1310 – Basic Programming  
COSC 1301 – Intro to Computing  
ENGL 1301 – Composition I  
HIST 1301 – American History I  
MATH 2413 – Calculus (Math Core Elective)

### SPRING SEMESTER

ACCT 2301 – Principles of Accounting  
BUSI 1307 – Personal Finance  
ENGL 1302 – Composition II  
HIST 1302 – American History II  
Creative Arts Core Elective

### FALL SEMESTER

COSC 1336 – Prog. Fund I  
GOVT 2305 – Federal Government  
SPCH 1315 – Public Speaking (Comm Core Elective)  
Life & Phys. Sci. Core Elective

### SPRING SEMESTER

COSC 1337 – Prog. Fund. II  
GOVT 2306 – Texas Government  
Life & Phys. Sci. Core Elective  
Soc. Behav. Sci. Core Elective  
Lang, Phil, Culture Core Elective  
1-Hour 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.  
COSC 2336 – Programming Fund. III  
COSC 1172 – Think, Speak, Write

### SPRING SEMESTER

MATH 3370 – Intro. Theory Statistical Inference  
CPSC 4381 – 3D Animation  
COSC 3306 – C++ Programming  
COSC 3302 – Theory  
COSC 4302 – Operating Systems  
COSC 1173 – Programming Lab

### SUMMER AT LU

MATH 2318 – Linear Algebra  
COSC 2372

### FALL SEMESTER

COSC 4342 – Game Dev. I  
CPSC 4317 – Networks  
COSC 3304 – Alg. Design & Analysis  
COSC 3308 – Programming Lang.  
CPSC 4360 – Software Engr.  
COSC 1174 – Programming Lab

### SPRING SEMESTER

COSC 4325 – Game Dev. II  
COSC 3325 – Law & Ethics  
COSC 4310 – Architecture  
COSC 4319 – Computer Graphics  
CPSC 4370 – Artificial Intelligence  
COSC 4272 – Senior Assessment



**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 Lamar State College Orange
2. Complete your application and transfer to Lamar University through ApplyTexas.org



OFFICE OF ADMISSIONS  
**LAMAR UNIVERSITY**



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**PLAN A VISIT TO CAMPUS** (409) 880-8316

plan or take a virtual tour at [lamar.edu/visit](http://lamar.edu/visit)