BACHELOR OF SCIENCE
COMPUTER GAME DEVELOPMENT

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

<table>
<thead>
<tr>
<th>AMOUNT/YEAR</th>
<th>TRANSFERABLE GPA</th>
<th>RENEWABLE?</th>
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<tbody>
<tr>
<td><strong>TRANSFER ACADEMIC EXCELLENCE SCHOLARSHIP</strong>*</td>
<td>$2,000</td>
<td>3.5-4.0</td>
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<tr>
<td>$1,500</td>
<td>3.0-3.49</td>
<td>YES</td>
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<tr>
<td><strong>PHI THETA KAPPA (PTK) SCHOLARSHIP</strong></td>
<td>$1,000</td>
<td>3.0-3.49</td>
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*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
- 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)

SPRING SEMESTER
- COSC 1337 – Prog. Fund. II
- GOVT 2306 – Texas Government
- 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 4391 – 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
(409) 880-8316
/lamaruadmissions
@lamaruadmissions

PLAN A VISIT TO CAMPUS
plan or take a virtual tour at lamar.edu/visit

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