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>Scholarship</th>
<th>Amount/Year</th>
<th>Transferable GPA</th>
<th>Renewable?</th>
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<tbody>
<tr>
<td>Transfer Academic Excellence Scholarship</td>
<td>$2,000</td>
<td>3.5-4.0</td>
<td>YES</td>
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<tr>
<td>Phi Theta Kappa (PTK) Scholarship</td>
<td>$1,500</td>
<td>3.0-3.49</td>
<td>YES</td>
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<tr>
<td></td>
<td>$1,000</td>
<td>3.0-3.49</td>
<td>YES</td>
</tr>
</tbody>
</table>

*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. COMPUTER INFORMATION SYSTEMS

**FALL SEMESTER**
- EDUC 1300 – Learning Framework
- ENGL 1301 – Composition I
- MATH 1324 – Math for Business & Social Sciences
- BCIS 1305 – Business Computer Applications
- HIST #3## – American History Elective

**SPRING SEMESTER**
- ENGL 1302 – Composition II
- MATH 1325 – Calculus for Business & Social Sciences
- COSC 1436 – Programming Fundamental I
- XXXX – #3## – Life & Physical Sciences Elective
- HIST #3## – American History Elective

**FALL SEMESTER**
- MATH 1342 – Elementary Statistics
- COSC 1437 – Programming Fundamentals II
- ECON 2301 or 2302 – Macroeconomics or Microeconomics
- GOVT 2305 – Federal Government
- XXXX – #3## – Creative Arts Elective

**SPRING SEMESTER**
- ACCT 2301 – Financial Accounting
- COSC 2425 – Computer Organization
- XXXX – #3## – Lang, Phil and Culture
- GOVT 2306 – Texas Government

**SUMMER AT HCC**
- Lab Science Elective
- SPCH 1315 – Public Speaking
- MATH 2413 – Calculus I
- MATH 2318 – Linear Algebra

B.A. COMPUTER GAME DEVELOPMENT

**FALL SEMESTER**
- COSC 2336 – Fundamental III
- 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 3204 – Alg. Design & Analysis
- COSC 3308 – Programming Lang.
- CPSC 4360 – Software Engr.

**SPRING SEMESTER**
- COSC 4325 – Game Dev. II
- COSC 3225 – Law & Ethics
- COSC 4310 – Architecture
- COSC 4319 – Computer Graphics
- CPSC 4370 – Artificial Intelligence

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**HOW TO APPLY**

**REQUIRED STEPS**

1. Finish your degree at Houston Community College
2. Complete your application and transfer to LU through ApplyTexas.org

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I’m ready to apply. What’s next?

You’ve made a great choice! Follow the steps below to becoming a Cardinal.

Office of Admissions & Recruitment
Lamar University
(409) 880-8316

and take a virtual tour lamar.edu/visit

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