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

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LU Scholarships

<table>
<thead>
<tr>
<th>Scholarship Type</th>
<th>Amount/Year</th>
<th>Transferable GPA</th>
<th>Renewable?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transfer Academic Excellence Scholarship*</td>
<td>$2,000</td>
<td>3.5-4.0</td>
<td>YES</td>
</tr>
<tr>
<td>$1,500</td>
<td>3.0-3.49</td>
<td>YES</td>
<td></td>
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<tr>
<td>Phi Theta Kappa (PTK) Scholarship</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
I'm ready to apply. What's next?
You've made a great choice!
Follow the steps below to becoming a Cardinal.

**REQUIRED STEPS**

1. Finish your degree at Galveston College
2. Complete your application and transfer to Lamar University through ApplyTexas.org
3. Finish your Computer Science degree online or on campus

**A.S. COMPUTER SCIENCE**

**FALL SEMESTER**
- ENGL 1301 – Composition I
- HIST 1303 - US History I
- MATH 2413 - Calculus I
- COSC 1336 – Programming Fund
- SPCH 1315 - Public Speaking (Elective)

**SPRING SEMESTER**
- ENGL 1302 – Composition II
- HIST 1302 - US History II
- MATH 2414 - Calculus II
- COSC 1337 - Programming Fund II
- Creative Arts Core Elective

**B.S. COMPUTER GAME DEVELOPMENT**

**FALL SEMESTER**
- COSC 1172 - Think Speak Write
- COSC 2375 - Discrete Structures
- BIOL 1406/1407, CHEM 1111 & 1311 or CHEM 1112 & 1312
- COSC/CPSC/ELEN Elective
- COSC 4302 - Operating Systems
- COSC 1173 - Programming Fund I Lab
- COSC 1174 - Programming Fund II Lab

**SPRING SEMESTER**
- COSC 3304 - Algorithms
- COSC 3325 - Computer Law/Ethics
- COSC 3302 - Intro Computer Theory
- MATH 3322/2415 - Intro to Advanced Mathematics/Calculus III
- Academic Elective

**FALL SEMESTER**
- COSC 3308 - Programming Languages
- MATH 3370 - Intro Theory Statistical Analysis
- CPSC 4317 - Computer Networks
- COSC/CPSC Elective
- CPSC 4360 - Software Engineering

**SPRING SEMESTER**
- COSC/CPSC Elective
- CPSC 4310 - Computer Architecture
- COSC/CPSC ELEN Elective
- COSC 4272 - Senior Seminar
- CPSC 4340 - Database Design

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