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.

Computer Information Sciences has an overall emphasis on information networking with knowledge in areas of distributed computing, software engineering, expert systems, information retrieval and multimedia display technology define the information networking concept. Information networks are an integral and strategic component of every industry. Upon completion, graduates will possess integrated skills sets from fields of engineering, computer science and business.

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 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>
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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>Transfer Academic Excellence 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
**A.S. COMPUTER INFORMATION TECHNOLOGY**

**FALL SEMESTER**
- ENGL 1301 - Composition I
- LPC - Lanf., Phil., Culture
- MATH 1314 - College Algebra
- ECON 2301 - Principles of Macroeconomics

**SPRING SEMESTER**
- HIST 1301 - History I
- COSC 1436 - Programming Fundamentals I - C++
- ENGL 1302 - Composition 2
- MATH 2431 - Calculus I

**SUMMER AT ACC (if applicable)**
- GOVT 2305 - Federal Government
- MATH 2414 - Calculus 2

**FALL SEMESTER**
- HIST 1302 - History 2
- COSC 1437 - Programming Fundamentals 2 - Java
- CA - Creative Arts Core
- PHYS 2425 - College Physics 1

**SPRING SEMESTER**
- COSC 2325 - Computer Organization & Machine Language
- COSC 2336 - Programming Fundamental 3 - Data Structures
- GOVT 2306 - Texas Government
- PHYS - College Physics 2

**B.S. COMPUTER INFORMATION SCIENCE**

**FALL SEMESTER**
- COSC 1172 - Think Speak Write
- COSC 2336 - Program Fund III
- ACCT 2301 - Intro to Managerial Acct
- FINC 3310 - Princ of Finance
- COSC 3325 - Computer Law/Ethics
- MATH 1342 - Statistics

**SPRING SEMESTER**
- COSC 2375 - Discrete Structures
- CPSC 4315 - Network System Admin
- COSC 3304 - Algorithms Design & Analysis
- MATH 2318 - Linear Algebra
- CPSC 4370 - Artificial Intelligence

**FALL SEMESTER**
- COSC 4302 - Operating Systems
- CPSC 4340 - Database Design
- COSC/CPSC Elective
- CPSC 4330/COSC 4319 - Multimedia Processing/Computer Graphics
- COSC/CPSC Elective

**SPRING SEMESTER**
- MGMT 3310 - Prin Mgmt/ Org Behavior
- CPSC 4317 - Computer Networks
- MGMT 3320 - Production Management
- COSC 4272 - Senior Seminar
- CPSC 4360 - Software Engineering

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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.

**HOW TO APPLY**

**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 Information Science degree on campus

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