



# BACHELOR OF SCIENCE COMPUTER INFORMATION SCIENCE



**START WITH ALVIN COMMUNITY COLLEGE. 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.

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

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 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

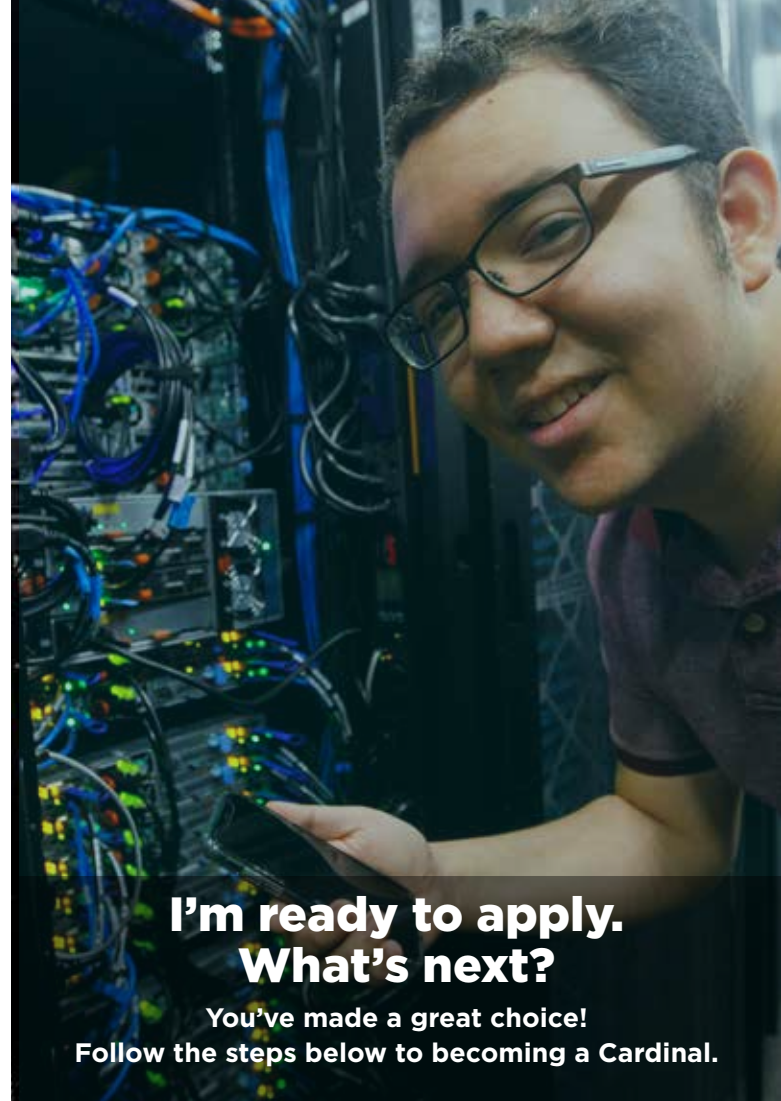
COSC 2375 - Discrete Structures  
CPSC 4315 - Network System Admin  
COSC 3304 - Algorithms Design & Analysis  
MATH 2318 - Linear Algebra  
CPSC 4370 - Artificial Intelligence

### 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



**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](https://www.applytexas.org)
3. Finish your Computer Information Science degree on campus



OFFICE OF ADMISSIONS & RECRUITMENT  
**LAMAR UNIVERSITY**



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

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