



# BACHELOR OF ARTS COMPUTER INFORMATION SYSTEMS



**START WITH HOUSTON 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 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 skill 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.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 Fundamentals I  
XXXX – #3### – Life & Physical Sciences Elective  
HIST #3### – American History Elective

### SUMMER AT HCC

ECON 1301 – Principles & Policies  
Lab Science

### FALL SEMESTER

MATH 1342 – Elementary Statistics  
COSC 1437 – Programming Fundamentals II  
ECON 2301/2302  
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

MATH 2413 – Calculus I  
MATH 1342 – Statistics  
SPCH 1315 – Public Speaking

## B.A. COMPUTER INFORMATION SYSTEMS

### FALL SEMESTER

COSC 1172 – Think, Speak, Write  
COSC 2336 – Program Fund III  
ACCT 2302 – Intro Managerial Acct  
COSC 3325 – Computer Law/Ethics  
Lab Science

### 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  
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 Houston Community College
2. Complete your application and transfer to LU through [ApplyTexas.org](https://www.applytexas.org)



OFFICE OF ADMISSIONS & RECRUITMENT  
**LAMAR UNIVERSITY**



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

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