



**COURSES  
AVAILABLE  
ONLINE OR  
ON CAMPUS**

**BACHELOR OF SCIENCE  
COMPUTER SCIENCE**



**START WITH CENTRAL TEXAS 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.

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**

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 SCIENCE

### FALL SEMESTER

COSC 1301 - Intro to Computing  
COSC 1315 - Intro to Computer Programming  
ENGL 1301 - Composition I  
MATH 1332, 1314, or 1342  
HIST 1301 - US History I

### SPRING SEMESTER

COSC 1336 - Program Fundamentals I  
SPCH 1321 - Business and Professional Communication  
PHYS 1415 - Physical Sci I  
ANTH 2351 - Cultural Anthropology  
HIST 1302 - US History II

### FALL SEMESTER

COSC 1337 - Program Fundamentals II  
COSC 2325 - Computer Organization  
HUMA 1315 - Fine Arts Appreciation  
GOVT 2305 - Federal Government  
PSYC 2315 - Psychology of Adjustment

### SPRING SEMESTER

COSC 2336 - Program Fundamentals III  
GOVT 2306 - Texas Government  
ENVR 1401 - Environmental Science I  
MATH 2413 (Component Area Elective) - Calculus I

## B.S. COMPUTER SCIENCE

### 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 - Fundamentals Lab I

### SPRING SEMESTER

COSC 3304 - Algorithms  
COSC 3325 - Computer Law/Ethics  
COSC 3302 - Intro Computer Theory  
MATH 3322/2415  
MATH 2318 - Linear Algebra

### 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  
COSC 1174 - Fundamentals Lab II



**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 Central Texas College
2. Complete your application and transfer to Lamar University through ApplyTexas.org



OFFICE OF ADMISSIONS & RECRUITMENT  
**LAMAR UNIVERSITY**



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**PLANAVISITTOCAMPUS** (409) 880-8316

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