



BACHELOR OF SCIENCE COMPUTER SCIENCE

COURSES
AVAILABLE
ONLINE OR
ON CAMPUS



START WITH GALVESTON 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?
TRANSFER ACADEMIC EXCELLENCE SCHOLARSHIP*		
\$2,000	3.5-4.0	YES
\$1,500	3.0-3.49	YES
PHI THETA KAPPA (PTK) SCHOLARSHIP		
\$1,000	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
- Complete the General Application

PRIORITY DEADLINES

- Fall – July 1
- Spring – December 1

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

FALL SEMESTER

GOVT 2305 - Federal Government
COSC 2325 - Computer Organization
PHYS 2425 - Univ Physics I
COSC 2336 - Prog Fund III

SPRING SEMESTER

GOVT 2306 - Texas Government
PHYS 2426 - Univ Physics II
Lang Phil Culture Core Elective
Soc Behav Sci Core Elective
MATH 2318 - Linear Algebra (MATH 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



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