



BACHELOR OF SCIENCE COMPUTER SCIENCE

COURSES
AVAILABLE
ONLINE OR
ON CAMPUS



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.

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.A.S. COMPUTER INFORMATION TECHNOLOGY

FALL SEMESTER

BCIS 1305 - Business Computer Applications
INTW 1325 - Fundamentals of Networking
INTW 1358 - Network +
ITSE 1431 - Intro to Visual BASIC Programming
PSYC 1300 - Learning Framework

SPRING SEMESTER

COSC 1436 - Programming Fundamentals I C++
ENGL 1301 - Composition I
ITMT 1357 - Administering a Windows Server Operating System
ITMT 1358 - Windows Client Operating System
MATH 2431 - Calculus I

FALL SEMESTER

COSC 1437 - Programming Fundamentals 2 - Java
IMED 2415 - Web Design 2
ITSW 1404 - Intro to Spreadsheets
LPS - Life and Physical Science

SPRING SEMESTER

CCR - Core Curriculum Requirement
COSC 2336 - Programming Fundamental 3
COSC 2325 - Computer Organization & Machine Language
ITSE 2409 - Database Programming

ADDITIONAL SEMESTRES

FALL SEMESTER

COMM 1315 - Public Speaking
Life/ Phys Sci Elective
MATH 2318 - Linear Algebra
HIST 1301 - US History I
POLS 2301 - American Government I

SPRING SEMESTER

HIST 1302 - US History I
POLS 2302 - American Government II
Soc/Beh Sci Elective
ENGL 1302 - Composition II
MATH 2414

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

SPRING SEMESTER

COSC 3304 - Algorithms
COSC 3325 - Computer Law/Ethics
COSC 3302 - Intro to Computer Theory
MATH 3322/2415
Creative Arts 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



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 Science degree online or on campus



OFFICE OF ADMISSIONS & RECRUITMENT
LAMAR UNIVERSITY



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PLANAVISITTOCAMPUS (409) 880-8316

plan or take a virtual tour at lamar.edu/visit