BACHELOR OF SCIENCE COMPUTER 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.

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 SCHOLARSHIP

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

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

ADDITIONAL SEMESTERS

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

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Office of Admissions & Recruitment
Lamar University
(409) 880-8316
/planavisittocampus

Lamar University is an equal opportunity/affirmative action educational institution.