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

**Career Opportunities**

**LU SCHOLARSHIPS**

**TRANSFER ACADEMIC EXCELLENCE SCHOLARSHIP**
- **Amount/Year**: $2,000
- **Transferable GPA**: 3.5-4.0
- **Renewable?**: Yes

**PHI THETA KAPPA (PTK) SCHOLARSHIP**
- **Amount/Year**: $1,500
- **Transferable GPA**: 3.0-3.49
- **Renewable?**: 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
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

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 121 - Business and Professional Communication
PHYS 1415 - Physical Sci I
ANTH 2351 - Cultural Anthropology
HIST 1302 - US History II

B.S. COMPUTER SCIENCE

FALL SEMESTER
COSC 1377 - 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

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
CPSC 4272 - Senior Seminar
CPSC 4340 - Database Design
COSC 1174 - Fundamentals Lab II