



BACHELOR OF SCIENCE COMPUTER SCIENCE

COURSES
AVAILABLE
ONLINE OR
ON CAMPUS



START WITH HOUSTON 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.

The Bachelor of Science degree in Computer Science is available on campus and online. A student who completes this four-year program is well prepared to pursue a professional career as a Computer Scientist, or to pursue graduate work in computer science or in an area of specialization. The Bureau of Labor Statistics project an increase in jobs for those in computer science fields.

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

EDUC 1300 – Learning Framework
ENGL 1301 – Composition I
MATH 2412 – Pre-Calculus Math
COSC 1436 – Programming Fund. I
HIST #3## – American History Elective

SPRING SEMESTER

ENGL 1302 – Composition II
MATH 2413 – Calculus I
COSC 1437 – Programming Fund II
HIST #3## – American History Elective

FALL SEMESTER

MATH 2414 – Calculus III
PHYS 2325 – University Physics I
PHYS 2125 – University Physics I Lab
COSC 2436 – Programming Fund III
GOVT 2305 – Federal Government

SPRING SEMESTER

PHYS 2326 – University Physics II
PHYS 2126 – University Physics II Lab
COSC 2425 – Computer Organization
XXXX – #3## – Social & Behavioral Sciences Elective
GOVT 2306 – Texas Government

SUMMER SESSION – HCC

SPCH 1315 – Public Speaking
Lang/Phil/Culture Elective
MATH 2318 – Linear Algebra
Creative Arts Elective

B.S. COMPUTER SCIENCE

FALL SEMESTER

COSC 1172 – Think, Speak, Write
COSC 2375 – Discrete Structures
BIOL 1406/1407, CHEM 1111&1311 or CHEM 1112 & 1113
COSC/CPSC/ELEN Elective
COSC 4302 – Operating Systems

SPRING SEMESTER

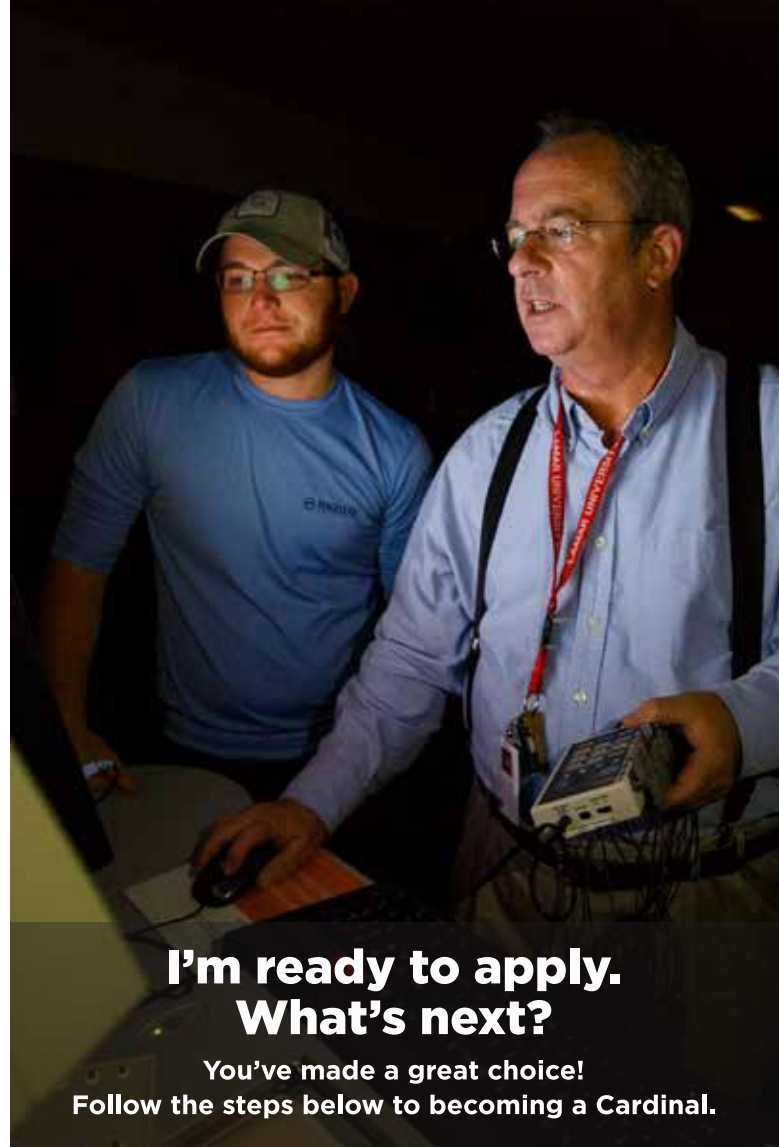
COSC 3304 – Algorithms
COSC 3325 – Computer Law/Ethics
COSC 3302 – Intro. Computer Theory
MATH 3322/2415

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 Houston Community College
2. Complete your application to LU through applytexas.org.
3. Finish your Computer Science degree online or on-campus



OFFICE OF ADMISSIONS & RECRUITMENT
LAMAR UNIVERSITY



/lamaruadmissions
@lamaruadmissions

PLAN A VISIT TO CAMPUS (409) 880-8316

and take a virtual tour lamar.edu/visit

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