



BACHELOR OF SCIENCE CYBERSECURITY



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 B.S. in Cybersecurity has been thoughtfully designed to promote awareness of the growing threats facing organizations, governments and individuals alike. Students learn life-long skills and abilities to defeat digital adversaries from many perspectives and have opportunities for undergraduate research and internships.

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 SEMESTER I

Creative Arts Elective
SPCH 1315 – Public Speaking

SUMMER SEMESTER II

PHIL 2306 – Ethics
MATH 2318 – Linear Algebra

B.S. CYBERSECURITY

FALL SEMESTER

COSC 1172 – Think, Speak, Write
MATH 3370 – Prob. & Statistics
COSC 3308 – Programming Languages
COSC 2375 – Discrete Structures
COSC 4317 – Computer Networks
COSC/CPSC/CRIJ Elective

SPRING SEMESTER

COSC 3325 – Computer Law & Ethics
MATH 3322/2415
COSC 3304 – Alg. Design & Analysis
COSC 3302 – Computer Theory
COSC 4310 – Computer Architecture

FALL SEMESTER

COSC 4302 – Operating Systems
COSC 4345 – Network Security
CPSC 4360 – Software Engineering
COSC 4355 – Data Mining

SPRING SEMESTER

CPSC 4272 – Senior Seminar
CRIJ 4313/COSC 4365 – Cybercrime/Computer
Crime Analysis
CPSC 4363 – Cyber Security
COSC 4361 – Secure Software Engineering
COSC 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 and transfer to LU through ApplyTexas.org



OFFICE OF ADMISSIONS & RECRUITMENT
LAMAR UNIVERSITY



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and take a virtual tour lamar.edu/visit