

## Cybersecurity - 4 Year Degree Plan

2025-2026

Lamar University's **Bachelor of Science in Cybersecurity** is designed to help you increase awareness of the growing threats facing organizations, governments and individuals. The program is offered on-campus and online, and will provide you with lifelong skills and the ability to defeat adversaries. Its coursework includes computer organization, discrete structures, computer law and ethics, etc. After graduation, you will have the opportunity to participate in stipend-based undergraduate research, along with potential intern opportunities.

NOTE: Degree plans may change over a four-year period. This may not be the most current list of course requirements for your program. It is always advised that you check Degree Audit in Banner Self-Serv or your advisor for the most up-to-date degree requirements and to track your progress toward a degree.

FIRST YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	COSC 1336	Programming Fundamentals I	3	_____	COSC 1337	Programming Fundamentals II	3	_____
	COSC 1173	Programming Lab	1	_____	COSC 1174	Fundamentals of Computing II Lab	1	_____
	COSC 1172	Thinking, Speaking and Writing	1	_____	ENGL 1301	Composition I	3	_____
	HIST 1301	U.S. History I 1763-1877	3	_____	MATH 2413	Calculus and Analytical Geometry I	4	_____
	MATH 1314	College Algebra (Non-Calculus)	3	_____	HIST 1302	U.S. History II Since 1877	3	_____
	Creative Arts		3	_____	Communication		3	_____
	Hours		14	_____	Hours		17	_____
SECOND YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	COSC 2336	Programming Fundamentals III	3	_____	Social and Behavioral Sciences		3	_____
	COSC 2325	Computer Organization	3	_____	Cybersecurity Fundamentals		3	_____
	PHIL 2306	Ethics	3	_____	COSC 2375	Discrete Structures	3	_____
	POLS 2301	Intro to American Government I	3	_____	Component Area Option		3	_____
	Life and Physical Sciences		4	_____	Life and Physical Sciences		4	_____
	Hours		16	_____	Hours		16	_____
	Fall		Hours	Grade	Spring		Hours	Grade
THIRD YEAR	Component Area Option		3	_____	COSC 3325	Computer Law and Ethics	3	_____
	COSC 4302	Operating Systems	3	_____	COSC 3304	Algorithms Design and Analysis	3	_____
	CPSC 4326	Android Programming	3	_____	CPSC 4315	Network System Administration	3	_____
	POLS 2302	Intro/American Government II	3	_____	CPSC 4360	Software Engineering	3	_____
	ELEN 1100	Introduction to ECE	1	_____	Data Elective		3	_____
	Hours		13	_____	Hours		15	_____
	Fall		Hours	Grade	Spring		Hours	Grade
	Networks Elective		3	_____	COSC 4272	Senior Assessment	2	_____
FOURTH YEAR	Systems Elective		3	_____	COSC 4345	Cybersecurity Networks	3	_____
	CPSC 4363	Cybersecurity: Systems	3	_____	Cybercrime Elective		3	_____
	Applications Elective		3	_____	Cyberscience Electives		6	_____
	CPSC 4361	Secure Software Engineering	3	_____				_____
	Hours		15	_____	Hours		14	_____
				_____				_____