

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			COSC 1337	Programming Fundamentals II		
	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	
THIRD YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	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	
FOURTH YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	Networks Elective		3		COSC 4272	Senior Assessment	2	
	Systems Elective		3		COSC 4345	Cybersecurity Networks	3	
	CPSC 4363	Cybersecurity: Systems	3		Cybercrime Elective		3	
	Applications Elective		3		Cybersecurity Electives		6	
	CPSC 4361	Secure Software Engineering	3					
		Hours	15			Hours	14	