

Cybersecurity - 4 Year Degree Plan

2026-2027

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. – Contact UAC at advising@lamar.edu, 409-880-8822, lamar.edu/findadvisor

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	___	

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	___	Cyberscience Electives		6	___
	CPSC 4361	Secure Software Engineering	3	___				
Hours		15	___	Hours		14	___	