

Bachelor of Science in Cybersecurity (120 hours)

This is a recommended course sequence based on the UHD 2025-26 Undergraduate Catalog for a degree in Cybersecurity which equips students to pursue careers in health, environmental, and lab research fields.

First Year					
Semester 1	Hours	Grade	Semester 2	Hours	Grade
ENG 1301 - Composition I	3		ENG 1302 - Composition II	3	
CS 1411 - Introduction to Computer Science with Python	4		CS 2411 - Procedural and Object-Oriented Programming with C++	4	
MATH 2401 - Calculus I	4		MATH 2402 - Calculus II	4	
UHD 1303 - Freshman Seminar	3		MATH 2305 - Discrete Mathematical Structures	3	
			POLS 2305 - Federal Government	3	
Total Hours	14		Total Hours	17	
Second Year					
Semester 1	Hours	Grade	Semester 2	Hours	Grade
Laboratory Science	4		Laboratory Science	4	
Approved Language, Philosophy, and Culture course	4		Approved Creative Arts course	3	
CS 3318 - Introduction to Computer Security	3		CS 3324 - Computer Network Architecture	3	
CS 2301 - Introduction to Computer Organization	3		CS 3301 - Cryptography	3	
CS 3304 - Data and Information Structures	3		MATH 3302 - Probability and Statistics	3	
Total Hours	16		Total Hours	16	
Third Year					
Semester 1	Hours	Grade	Semester 2	Hours	Grade
TCOM 3302 - Business and Technical Report Writing	3		Approved American History course	3	
POLS 2306 - Texas Government	3		COMM 1304 - Introduction to Communication	3	
CJ 3323 - Cybercrime Law and Public Policy	3		CS 3307 - Introduction to System Security	3	
CS 3305 - Introduction to System Administration	3		CS 4326 - Network Security	3	
CS 4315 - Operating Systems	3		MIS 4301 - Organizational Cybersecurity	3	
Total Hours	15		Total Hours	15	

Fourth Year					
Semester 1	Hours	Grade	Semester 2	Hours	Grade
Approved American History course	3		Approved Social and Behavioral Sciences course	3	
CS 4307 - Data Privacy and Security	3		CS 4309 - Senior Project in Cybersecurity	3	
CS 4311 - Software Security	3		CS 4308 - Digital Forensics	3	
Program Elective	3		Program Elective	3	
Program Elective	3				
Total	15		Total	12	

15 to Finish

Fall: 15 hours • Spring: 15 hours

30 in 3

Fall: 12 hours • Spring: 12 hours • Summer: 6 hours