

## 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	
<b>Total Hours</b>	<b>14</b>			<b>Total Hours</b>	<b>17</b>	
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	
<b>Total Hours</b>	<b>16</b>			<b>Total Hours</b>	<b>16</b>	
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	
<b>Total Hours</b>	<b>15</b>			<b>Total Hours</b>	<b>15</b>	

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