Bachelor of Science in Cybersecurity (120 hours)

This table shows a sample recommended course sequence for this degree based on the UHD 2025-26 Undergraduate Catalog. Students should verify degree requirements and registration plans with an advisor to ensure accuracy. Please note that some degrees and colleges have specific GPA and other requirements. Courses with asterisks (*) indicate Common Core courses.

First Year (Freshman 0-29 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM		Semester 2	Hours	Grade	TCCNS	ACGM
ENG 1301*	3		ENGL 1301	Composition I		ENG 1302*	3		ENGL 1302	Composition II
MATH 2401*	4		MATH 2413	Calculus I		CS 2411 (Procedural and Object-Oriented Programming with C++)	4		COSC 1437	Programming Fundamentals II
CS 1411 (Introduction to Computer Science with Python)	4		COSC 1436	Programming Fundamentals I		POLS 2305*	3		GOVT 2305	Federal Government
UHD 1303 (Freshman Seminar*)	3					MATH 2402	4		MATH 2414	Calculus II
						MATH 2305	3		MATH 2305	Discrete Mathematics
Total Hours	14					Total Hours	17			

Second Year (Sophomore 30-59 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM		Semester 2	Hours	Grade	TCCNS	ACGM
Language, Philosophy, & Culture*	3					Science w/ Lab*	4			
Science w/ Lab*	4					Creative Arts*	3			
CS 3304 (Data and Information Structures)	3		COSC 2336 or 2436	Programming Fundamentals III		CS 3324 (Computer Network Architecture)	3			
CS 2301 (Introduction to Computer Organization)	3		COSC 2325 or 2425	Computer Organization		CS 3301 (Cryptography)	3			
CS 3318 (Introduction to Computer Security)	3					MATH 3302 (Probability & Statistics)	3			

Total Hours	**16**					**Total Hours**	**16**		

Third Year (Junior 60-89 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM		Semester 2	Hours	Grade	TCCNS	ACGM
TCOM 3302 (Business & Technical Writing)	3					**American History***	3			
POLS 2306*	3		GOVT 2306	Texas Government		**Oral 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 (Senior 90-120 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM		Semester 2	Hours	Grade	TCCNS	ACGM
American History*	3					**Social & Behavioral Science***	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			
CS Elective Option	3					**CS Elective Option**	3			
CS Elective Option	3									
Total Hours	**15**					**Total Hours**	**12**			