Bachelor of Science in Computer Science (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		POLS 2305*	3		GOVT 2305	Federal Government
CS 1411 (Introduction to Computer Science with Python)	4		COSC 1436	Programming Fundamentals I		MATH 2402	4		MATH 2414	Calculus II
UHD 1303 (Freshman Seminar*)	3					CS 2411 (Procedural and Object-Oriented Programming with C++)	4		COSC 1437	Programming Fundamentals 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					CS 2302 (Digital Logic)	3			
CS 3304 (Data and Information Structures)	3		COSC 2336 or 2436	Programming Fundamentals III		CS 3306 (Theory of Computation)	3			
CS 2301 (Introduction to Computer Organization)	3		COSC 2325 or 2425	Computer Organization		MATH 2307	3		MATH 2318	Linear Algebra
CS Elective (Any Lv)	3					American History*	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**
CS 3321 (Software Engineering)	3					**CS 4318** (Database Systems)	3			
CS 4315 (Operating Systems)	3					**CS Elective** (UL)	3			
TCOM 3302 (Technical Report Writing)	3					**MATH 3302 or STAT 3311**	3			
POLS 2306*	3					**COMM 1304***	3			
CS Elective (UL)	3					**Creative Arts***	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**
CS Elective (UL)	3					**CS 4395** (Senior Project)	3			
CS 4294 (Senior Seminar)	2					**CS Elective** (UL)	3			
CS 4303 (Programming Lang Concepts)	3					**CS Elective** (UL)	3			
American History*	3					**Free Elective**	4			
Social & Behavioral Science*	3									
Total Hours	**14**					**Total Hours**	**13**			