Bachelor of Science in Computer Science (120 hours)

This is a recommended course sequence based on the UHD 2023-24 Undergraduate Catalog for a degree in Computer Science which equips students to apply computing techniques in business and industry. Courses with asterisks (*) indicate Common Core courses.

First Year

Semester 1	Hours	Grade	Semester 2	Hours	Grade
ENG 1301*	3		ENG 1302*	3	
MATH 2401*	4		POLS 2305*	3	
CS 1411	4		CS 2411	4	
UHD First-year Seminar*	3		MATH 2402	4	
			MATH 2305	3	
Total Hours	**14**		**Total Hours**	**17**	

Second Year

Semester 1	Hours	Grade	Semester 2	Hours	Grade
Language, Philosophy and Culture*	3		Science With Lab*	4	
Science With Lab*	4		CS 2302 (Digital Logic)	3	
CS 3304	3		CS 3306 (Theory of Computation)	3	
CS 2301	3		MATH 2307	3	
CS Elective (Any LL)	3		American History*	3	
Total Hours	**16**		**Total Hours**	**16**	

Third Year

Semester 1	Hours	Grade	Semester 2	Hours	Grade
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 (Texas Government)*	3		COMM 1304*	3	
CS Elective (UL)	3		Creative Arts*	3	
Total Hours	**15**		**Total Hours**	**15**	

Fourth Year

Semester 1	Hours	Grade	Semester 2	Hours	Grade
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	3	
Social and Behavioral Science*	3		Free Elective	1	
Total Hours	**14**		**Total Hours**	**13**	