



**HCC Associate of Science, Computer Science to
Houston Christian University
BS, Computer Science - HCU Proposal**



4 – Year Suggested Academic Plan for Transfer, Effective 2025 – 2026 Catalog Year

First Year - Freshman

Fall Semester				Spring Semester			
HCC	HCU	Course Name	Hrs	HCC	HCU	Course Name	Hrs
EDUC 1300		Learning Framework: 1 st Year Experience	3	ENGL 1302	ENGL 1323	Composition & Rhetoric II	3
ENGL 1301	ENGL 1313	Composition & Rhetoric I	3	MATH 2413	MATH 1451	Calculus I	4
MATH 2412	MATH 1434	Pre-Calculus	4	COSC 1437	COSC 1352	Programming Fundamentals II	4
COSC 1436	COSC 1351	Programming Fundamentals I	4	HIST #3##	HST 2312	American History Elective Credits	3
HIST #3##	HIST 2311	American History Elective Credits	3				
Total			1	Total			14

Summer Session

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Second Year - Sophomore

Fall Semester				Spring Semester			
HCC	HCU	Course Name	Hrs	HCC	HCU	Course Name	Hrs
MATH 2414	MATH 1452	Calculus II	4	PHYS 2326/ 2126	PHYS 2423/ 2023	University Physics II	4
PHYS 2325/ 2125	PHYS 2413/ 2013	University Physics I	4	COSC 2425	COSC 3341	Computer Organization	4
COSC 2436	COSC 2351	Programming Fundamentals III	4	XXXX #x##		Social & Behavioral Sciences Elective Credits	3
GOVT 2305	GOVT 2313	Federal Government	3	GOVT 2306	GOVT 2313	Texas Government	3
Total			15	Total			14

Summer Session (will aid in transfer to HCU)

ART 2343 or MUSI 1331	Art Appreciation or Music Appreciation	3	ENGL 2315, or 2325	Great Works of Literature I or II	3
COMM 1323	Rhetoric and Public Speaking	3			
Total			Total		

Third Year - Junior

Fall Semester			Spring Semester		
HCU	Course Name	Hrs	HCU	Course Name	Hrs
ENSC 1411	Engineering and Cyber Projects I	4	ENSC 1412	Engineering and Cyber Projects II	4
COSC 2355	Database Management Systems	3	COSC 2454	Adv Data Structures, Algorithms and Programming	4
COSC 3342	Computer Networks	3	CYEN 3331	Computer Network Security	3
COSC 4381	Data Analytics	3	COSC 2353	Operating Systems	3
MATH 3311	Introduction to Discrete Math	3	MATH 2323	Linear Algebra	3
			MATH 3111	Advanced Topic in Math	1
Total		16	Total		18

Summer Session

Total		3	Total		

Fourth Year – Senior

Fall Semester			Spring Semester		
HCU	Course Name	Hrs	HCU	Course Name	Hrs
COSC 4352	Software Design & Engineering	3	CYEN 4335	Applied Cryptography	3
CYEN 4337	Security Operations	3	COSC 3352	Theory of Computing	3
ENSC 4311	Senior Project I	3	ENSC 4312	Senior Project II	3
ENSC 4315	Internship/Professional Experience	3	COSC 3354	Web Application Programming	3
MATH 3314	Probability and Statistics	3	PSYC 1313	General Psychology	3
PHIL 1313	Introduction to Philosophy	3	CHRI 3300	Introduction to the Bible and Theology	3
Total		18	Total		18

Notes/Comments:



Houston Christian University – Transfer Information

Program Specific Information:

Bachelor of Science in Computer Science

Program Admissions Requirements:

Transfer of Credit & Student Benefits:

COSC 1436, Programming Fundamentals I at HCC transfers to HCU as COSC 1351, Introduction to Computer Programming
COSC 1437, Programming Fundamentals II at HCC transfers to HCU as COSC 1352, Intermediate Computer Programming
COSC 2436, Programming Fundamentals III at HCC transfers to HCU as COSC 2351, Data Structures.
COSC 2325, Computer Organization at HCC transfers to HCU as COSC 3341, Computer Architecture

43 hours transfer directly course to course (at a minimum, more if classes are taken at HCC such as SPCH 1315 and PHIL 1301)
- MATH 1434 transfers but does not count towards the COSC degree

82 hours required at HCU

70 hours taken over 4 semesters at HCU (at a maximum, less if summer classes are taken at HCC)

9 hours (from core curriculum) taken online during summers between years 2 and 3 (or years 3 and 4)

3 additional transfer credit hours to make up the difference between CHRI 1301/2373 and CHRI 3300
Any course that did not transfer from HCC would be suitable here

125 total hours