



**LSC Associate of Science, Electrical Engineering to
Houston Christian University
BS, Cyber Engineering**



4 – Year Suggested Academic Plan for Transfer, Effective 2024 – 2025 Catalog Year

First Year - Freshman

Fall Semester				Spring Semester			
LSC	HCU	Course Name	Hrs	LSC	HCU	Course Name	Hrs
MATH 2413 (2)	MATH 1451	Calculus I	4	MATH 2414	MATH 1452	Calculus II	4
CHEM 1411	CHEM 2315/2115	General Chemistry I	4	PHYS 2425	PHYS 2413	University Physics I	4
ENGR 1201	ENSC 1411	Introduction to Engineering	2	ENGR 2304	COSC 1351	Programming for Engineers	3
ENGL 1301	ENGL 1313	Composition & Rhetoric I	3	PSYC 2301	PSYC 1313	General Psychology (HCU preferred course)	3
EDUC 1300 (1)	FYS 1300	Learning Framework: 1 st Year Exp, ACGM course, or SPCH 1315	3				
Total			16	Total			14

Summer Session

SPCH 1315 (1)	COMM 1323	Public Speaking (HCU preferred course)	3	PHIL 1301	PHIL 1313	Intro to Philosophy (HCU preferred course)	3
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Second Year - Sophomore

Fall Semester				Spring Semester			
MATH 2415		Calculus III	4	MATH 2320	MATH 3333	Differential Equations	3
PHYS 2426	PHYS 2423	University Physics II	4	MATH 2318	MATH 2323*	Linear Algebra	3
ENGR 2406	ELEN 2342	Introduction to Digital Systems	4	ENGR 2105	ENSC 2361	Electric Circuits I	1
ENGL 1302	ENGL 1323	Composition & Rhetoric II	3	ENGR 2305		Electric Circuits I	3
				Elect & Core (3)	ENSC 1411	ENGR 1304 & Create Arts core course	6
Total			15	Total			16

Summer Session at HCU (required for transfer to HCU)

*COSE Level Up Program: ENSC 1412 & COSC 1352 (see note on page 2)

Total							7
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Third Year - Junior

Fall Semester			Spring Semester		
HCU	Course Name	Hrs	HCU	Course Name	Hrs
COSC 3342	Computer Networks	3	CYEN 3331	Computer Network Security	3
ELEN 4341	Embedded Systems	3	COSC 2353	Operating Systems	3
MATH 3311	Introduction to Discrete Math	3	CYEN 4335	Applied Cryptography	3
HIST 2311	Western Civilization I	3	MATH 3111	Advanced Topics	1
ENGL 2315 or 2325	Great Works of Literature I or II	3	MATH 3314	Probability and Statistics	3
			CHRI 3300	Introduction to the Bible and Theology	3
Total		15	Total		16

Fourth Year – Senior

Fall Semester			Spring Semester		
CYEN 4333 or COSC 4381	Reverse Engineering or Data Analytics	3	CYEN 4331	Digital Forensics and Cyber Crime	3
CYEN 4337	Security Operations	3	CYEN 4374	OT Network Security	3
ELEN 4374	OT Networks	3	ENSC 4312	Senior Project II	3
ENSC 4311	Senior Project I	3	GOVT 2313	American and Texas Government	3
ENSC 4315	Internship/Professional Experience	3	HIST 2312, 2313, or 2323	Western Civilization II, US History to 1877, or US History 1877 to Present	3
Total		15	Total		15

Notes/Comments:

- 1) EDUC 1300 required for First Time in College (FTIC) students at LSC. If not FTIC, student may complete any ACGM course, or remaining core requirements. SPCH 1315 is recommended for transfer and degree completion at HCU.
- 2) Students may be placed in MATH 2413 through placement by testing or by completing the appropriate MATH prerequisites. See advisor for options.
- 3) **Complete ENGR1304 - Engineering Graphics I and Creative Arts Core option to aid in transfer to HCU.**

Courses are not required for completion at LSC but will aid in transfer and degree completion at HCU.



Houston Christian University – Transfer Information

Program Specific Information:

Bachelor of Science in Cyber Engineering

Program Admissions Requirements:

Once admitted and enrolled at HCU, each student MUST:

- Receive prior approval for any courses taken at another institution (up to 18 total credit hours only).
- File a degree plan with the Office of Academic Records before 60 credit hours have been completed.
- File an application to graduate at least one (1) semester before anticipated date of graduation.

Transfer of Credit & Student Benefits:

***Notes:**

- MATH, 2318, Linear Algebra, transfers as MATH 2323, Linear Algebra.
 - While not on the ELEN degree plan, this class would count towards a Math Minor.
- HCU currently offers ENSC 1412 and COSC 1352 face-to-face during the summer as part of the **COSE Level Up program**.
- Indirect transfer
ENGR 1201 (2 SCH) + ENGR 1304 (3 SCH) transfer for ENSC 1411 (4 SCH)
ENGR 2304 (3 SCH) transfers for COSC 1351 (3 SCH)
- 3 additional transfer credit hours to make up the difference between CHRI 1301/2373 and CHRI 3300
(MATH 2318, Linear Algebra at LSC will be used to fill 3 credit hours)