



**LSC Associate of Science in Computer Science  
To University of Houston-Downtown  
Bachelor of Science in Computer Science**



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

First Year - Freshman							
Fall Semester				Spring Semester			
LSC	UHD	Course Name	Hrs	LSC	UHD	Course Name	Hrs
EDUC 1300 or SPCH 1321 (1)	UHD 1301 or COMM	Learning Framework: 1st Yr Exp or Business and Professional Comm.	3	ENGL 1302	ENG 1302	Composition & Rhetoric II	3
ENGL 1301	ENG 1301	Composition & Rhetoric I	3	COSC 1437	CS 2411	Programming Fundamentals II	4
COSC 1436	CS 1411	Programming Fundamentals I	4	CHEM 1411	Elective	General Chemistry	4
MATH 2413 (2)	MATH 2401	Calculus I	4	MATH 2414	MATH 2402	Calculus II	4
<b>Total</b>			<b>14</b>	<b>Total</b>			<b>15</b>
Summer Session							
HIST 1301	HIST Option	U.S. History I	3	PHED 1164	Elective	Intro to Physical Fitness & Wellness	1
<b>Total</b>			<b>3</b>	<b>Total</b>			<b>1</b>
Second Year - Sophomore							
Fall Semester				Spring Semester			
LSC	UHD	Course Name	Hrs	LSC	UHD	Course Name	Hrs
COSC 2436	CS 3304	Programming Fundamentals III	4	COSC 2325	CS 2301	Computer Organization	3
PHYS 2425	PHYS 2401/2101	Mechanics & Heat	4	PHYS 2426	PHYS 2402/2102	Electricity, Magnetism, & Light	4
MATH 2305	MATH 2305	Discrete Mathematics	3	Lang. Phil. Cult.	Lang. Phil. Cult.	Lang. Phil. & Culture core curriculum	3
GOVT 2305	POLS 2305	Federal Government	3	MATH 2318	MATH 2307	Linear Algebra	3
<b>Total</b>			<b>14</b>	<b>Total</b>			<b>13</b>
Summer Session (may be taken at UHD or LSC)							
GOVT 2306	POLS 2306	Texas Government	3	HIST 1302	HIST Option	U.S. History II	3
<b>Total</b>			<b>3</b>	<b>Total</b>			<b>3</b>
Third Year - Junior							
Fall Semester				Spring Semester			
UHD	Course Name	Hrs		UHD	Course Name	Hrs	
CS 2302	Digital Logic	3		CS 4315	Operating Systems	3	
CS 3306	Introduction to Theory of Computation	3		CS 4318	Database Systems	3	
CS 3321	Software Engineering	3		CS Elective	3000/4000 Level – See catalog/advisor	3	
MATH 3302 or STAT 3311	Probability & Statistics or Statistical or Analysis for Natural Science	3		TCOM 3302	Business & Technical Report Writing	3	
				Creative Arts	See catalog/advisor for options	3	
<b>Total</b>		<b>12</b>		<b>Total</b>		<b>15</b>	
Fourth Year – Senior							
Fall Semester				Spring Semester			
CS Elective	3000/4000 Level – See catalog/advisor	3		CS 4395	Senior Project in Computer Science	3	
CS 4294	Senior Seminar	2		CS Elective	3000/4000 Level – See catalog/advisor	3	
CS 4303	Programming Language Concepts	3		CS Elective	Any level above CS 1305 – see catalog	3	
Social & Bhv. Sci.	See catalog/advisor for options	3		CS Elective	3000/4000 Level – See catalog/advisor	3	
CS Elective	3000/4000 Level – See catalog/advisor	3		Free Electives	(if needed to complete 120 hours total for the degree)	-	
<b>Total</b>		<b>14</b>		<b>Total</b>		<b>12</b>	

**Notes/Comments:**

- EDUC 1300 is required for First Time in College (FTIC) students only. If not FTIC, student may complete SPCH 1321 to aid in degree completion at UHD. SPCH 1311 is not required for completion of AS.
- Students may be placed in MATH 2413 through placement testing OR by completing all MATH prerequisites (MATH 1314, 1316, and 2412). Student should consult with an advisor regarding placement testing.
- UHD does not require CHEM 1411 for the Bachelor of Science in Computer Science degree plan but the hours can be used to satisfy Free Electives in the degree.

**Course is not required for completion of the AS degree but will satisfy requirements at UHD for completion of the Bachelor of Science degree.**



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**Transfer Information**

**Program Specific Information:**

***Bachelor of Science in Computer Science***

**Program Specific Requirements:**

- Students majoring in Computer Science at UHD must have a grade of C or better in any course in computer science, mathematics, or statistics that is applied towards the degree
- UHD's BS in Computer Science utilizes the C++
- programming language as it's foundation – students transferring into the program should be fluent in this language

**Program Admissions Requirements:**

- Transfer Admission Criteria (15 or more earned college-level credit hours) 2.0 GPA
- Student must be in Good Academic Standing at last institution attended
- For a course taken more than once, the highest grade will be transferred

**Transfer of Credit & Student Benefits:**

- Credits from LSC that are transferrable to UHD degree programs may be specified in any program-to-program articulation agreement.
- Reverse transfer
- LSC students will be allowed access to academic advising services at UHD
- LSC Honors students admitted to UHD will receive:
  - Acceptance to UHD Honors Program with a minimum GPA (GPA varies by the College in which the program resides)
  - UHD will accept a minimum of 12 hours of transfer Honors credit; eligible for merit and need-based aid commensurate with qualifications

