



**LSC Associate of Science Computer Science to
SHSU Bachelor of Science Computing Science
(Information Assurance)**



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

First Year - Freshman

LSC Fall Semester				LSC Spring Semester			
LSC	SHSU	Course Name	Hrs	LSC	SHSU	Course Name	Hrs
EDUC 1300 (1)	N/A	Learning Frameworks: 1 st Year Exp.	3	ENGL 1302	ENGL 1302	Composition & Rhetoric II	3
ENGL 1301	ENGL 1301	Composition & Rhetoric I	3	COSC 1437	COSC 1437	Programming Fundamentals II	4
COSC 1436	COSC 1436	Programming Fundamentals I	4	CHEM 1411	CHEM 1411	General Chemistry	4
HIST 1301	HIST 1301	U.S. History I	3	MATH 2413 (2)(3)	MATH 1420	Calculus I	4
PHED 1164 (2)	N/A	Intro to Physical Fitness & Wellness	1				
Total			14	Total			15

Second Year - Sophomore

LSC Fall Semester				LSC Spring Semester			
COSC 2436	COSC 2347	Programming Fundamentals III	4	COSC 2325	COSC 2329	Computer Organization	3
MATH 2414	MATH 1430	Calculus II	4	PHYS 2426 (5)	PHYS 1422	University Physics II	4
PHYS 2425	PHYS 1411	University Physics I (Core 030)	4	Lang. Phil. Cult.	Core 040	Choose from LSC Core Curriculum	3
GOVT 2305	POLS 2305	Federal Government	3	MATH 2305	MATH 2395	Discrete Mathematics	3
				GOVT 2306	POLS 2306	Texas Government	3
			15				16
LSC Summer Session							
HIST 1302 (1)	HIST 1302	U.S. History II	3	Creative Arts	Core 050	Choose from LSC Core Curriculum	3
Total			3	Total			3

Lone Star College Total Semester Hours: 66

Third Year - Junior

SHSU Fall Semester			SHSU Spring Semester		
SHSU	Course Name	Hrs	SHSU	Course Name	Hrs
COSC 3318	Data Base Management Systems	3	COSC 3327	Computer Architecture	3
COSC 3319	Data Structures and Algorithms	3	DFSC 2316	Digital Forensics & Information Assurance Fundamentals II	3
DFSC 1316	Digital Forensics & Information Assurance Fundamentals	3	Science Elect. (5)	Degree Specific Requirement-see advisor	4
Adv. Gen. Elect.	Adv. Gen. Elective 3000-4000 level (if needed)-see advisor	3	STAT 3379	Statistical Methods in Practice	3
Soc/Beh Sci.	Choose from SHSU Core Curriculum Component VIII	3	Comp Area Option	Choose from SHSU Core Curriculum Component IX	3
Total		15	Total		16

Fourth Year - Senior

SHSU Fall Semester			SHSU Spring Semester		
SHSU	Course Name	Hrs	SHSU	Course Name	Hrs
DFSC 3316	Cryptography and Network Security	3	COSC 4319	Software Engineering	3
DFSC Elective	Advanced Elective-see advisor	3	COSC 4349	Professionalism and Ethics	3
MATH 3377 (4)	Linear Algebra-Advanced MATH Elective – see advisor	3	DFSC 4317	Information Security (spring only)	3
Adv. Gen. Elect.	Adv. Gen. Elective 3000-4000 level (if needed)-see advisor	3	Adv. Gen. Elect.	Adv. Gen. Elective 3000-4000 level (if needed)-see advisor	3
COSC 4318	Advanced Language Concepts	3	COSC 4149	Seminar in Computer Science	1
Total		15	Total		13

SHSU Total Semester Hours: 59

Notes/Comments:

- (1) EDUC 1300 is required for First Time in College (FTIC) students only. If not FTIC, HIST 1302 is recommended to fill SHSU core and degree requirements. Creative Arts (Core 050) is not required for completion of AS degree at LSC. This core option may be completed at LSC to aid in transfer and degree completion at SHSU.
- (2) PHED 1164 required for completion of AS only and is not a requirement for graduation at SHSU. MATH 2413 (1420) satisfies Component Area II (Mathematics) core requirement and one semester credit hour of Component Area IX (Component Area Option), and the Degree Specific requirement at SHSU.
- (3) 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.
- (4) Linear Math (MATH 2318) will be completed at SHSU (MATH 3377) to satisfy advanced MATH course requirements. Upon completion, the student will reverse transfer and be awarded the Associate of Science degree by LSC. Students must complete a [Reverse Transfer Graduation Application](#).
- (5) 8 hours of science satisfies Component Area III (Life and Physical Science) requirement. An additional 8 hours of science satisfies the science component of the Degree Specific requirements.



Sam Houston State University – Transfer Information

Program Specific Information:

Bachelor of Science, Computing Science (Information Assurance)

- Additional information: Reference the [Program Landing Page](#) for additional information, such as cost, delivery format, contact information, or to schedule a visit.

Transfer of Credit & Student Benefits:

- Reverse transfer of credit.
- [Be A Bearkat - Transfer \(shsu.edu\)](#)
- Bearkat Transfer Scholarship available to full-time students:
 - [Please refer to http://www.shsu.edu/dept/financial-aid/scholarships/transfer.html](http://www.shsu.edu/dept/financial-aid/scholarships/transfer.html) for Transfer Scholarship Conditions and Renewal Scholarship Conditions
- LSC Honors students admitted to SHSU:
 - will be accepted to SHSU's Honors College. Students must have a minimum GPA of 3.25 and satisfy other Honors College admission criteria (such as full-time enrollment of at least 12 hours)
 - may transfer up to 12 hours of LSC Honors credits
 - will be eligible for additional scholarships
 - may develop their LSC Honors thesis (if completed) into an SHSU Honors thesis (and thereby graduate "with Highest Honors")
 - will be eligible, if space permits, to live in SHSU's dorms