



Transfer Map: Suggested Academic Plan for Transfer **2025 – 2026** Catalog Year  
 Lamar State College Orange and Sam Houston State University  
 Associate of Science Computer Science to  
 Bachelor of Science in Computing Science (Computing Science, CS)



**Lamar State College Orange**

Semester 1				Semester 2			
LSCO	SHSU	Course Name	Hrs.	LSCO	SHSU	Course Name	Hrs.
MATH 1314	MATH 1314	College Algebra	3	MATH 2312	MATH 1410	Pre-Calculus Math	3
ENGL 1301	ENGL 1301	Composition I	3	COSC 1315	COSC 1000	Introduction to Computer Programming	3
HIST 1301 (a)	HSTY 1301	United States History I	3	HIST 1302 (a)	HSTY 1302	United States History II	3
Core 050	Core 050	Component Area 050: Creative Arts (Fine Arts)	3	Core 030	Core 030	Component Area 030: Life & Physical Sciences	4
COSC 1301	CSTE 1330	Introduction to Computing	3	ENGL 1302 (b)	ENGL 1302	Composition II	3
<b>Total</b>			<b>15</b>	<b>Total</b>			<b>16</b>
Semester 3				Semester 4			
COSC 2325	COSC 2329	Computer Organization	3	GOVT 2305	POLS 2305	Federal Government	3
MATH 2413	MATH 1420	Calculus I	4	GOVT 2306	POLS 2306	Texas Government	3
Core 030	Core 030	Component Area 030: Life & Physical Sciences	4	COSC 1337	COSC 1437	Programming Fundamentals II	3
COSC 1336	COSC 1436	Programming Fundamentals I	3	ECON 2301	ECON 2301	Principles of Macroeconomics	3
				Core 040	Core 040	Component Area 040: Language, Philosophy, & Culture	3
<b>Total</b>			<b>14</b>	<b>Total</b>			<b>15</b>

Lamar State College Orange Total Semester Hours: 60

**Sam Houston State University**

Semester 6			Semester 7		
SHSU	Course Name	Hrs.	SHSU	Course Name	Hrs.
MATH 1430	Calculus II	4	MATH 2395	Discrete Mathematics	3
COSC 3318	Data Base Management Systems	3	SCIENCE (c)	Degree Specific Requirement: Science	4
COSC 3327	Computer Architecture	3	COSC 2347	Special Topics/Programming	3
COSC 3319	Data Structures and Algorithms	3	COSC 4327	Computer Operating Systems	3
SCIENCE (c)	Degree Specific Requirement: Science	4	Adv. Elect. (d)	General Advanced Elective	3
<b>Total</b>		<b>17</b>	<b>Total</b>		<b>16</b>
Semester 8			Semester 9		
Adv. MATH	MATH 3000 - 4000 Level	3	COSC 4149	Seminar in Computer Science	1
STAT 3379	Statistical Methods in Practice	3	COSC 4319	Software Engineering	3
COSC 4318	Advanced Language Concepts	3	COSC 4349	Professionalism and Ethics	3
COSC 4316	Compiler Design & Construction	3	COSC/DFSC (e)	COSC/DFSC Advanced Elective	3
COSC/DFSC (e)	COSC/DFSC Advanced Elective	3	Adv. Elect. (d)	General Advanced Elective	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>13</b>

SHSU Total Semester Hours: 61

**Notes:**

- a. History Options can be found [here](#).
- b. Comm Core - Communication options can be found [here](#).
- c. Science in addition to Component Area 030.
- d. Advanced Electives = any 3000 - 4000 level course.
- e. COSC/DFSC Advanced Electives = any 3000 - 4000 level course with the prefix of COSC or DFSC (not already required in degree plan).

**Helpful Links:**

[Program Landing Page](#)

[Transfer Students](#)

[Scholarships](#)

**GPA Requirement:**

- Students must earn a 2.0 minimum overall GPA in all coursework.
- Students must meet a 2.0 minimum overall major GPA in all major coursework.
- Students must earn a 2.0 minimum SHSU GPA in all coursework.
- Students must meet a 2.0 minimum SHSU major GPA in all major coursework.