



# Transfer Degree Map

## LSC Associate of Science Field of Study: Computer Science To Lamar University

### Bachelor of Science in Computer Science



#### 4 – Year Suggested Academic Plan for Transfer, Effective Fall 2023 (Online)

First Year - Freshman							
Fall Semester				Spring Semester			
LSC	Lamar	Course Name	Hrs	LSC	Lamar	Course Name	Hrs
EDUC 1300 (1)		Learning Framework: 1st Yr Exp	3	ENGL 1302	ENGL 1302	Composition & Rhetoric II	3
ENGL 1301	ENGL 1301	Composition & Rhetoric I	3	COSC 1437	COSC 1337 & 1174	Programming Fundamentals II	4
COSC 1436	CS 1336 & 1136	Programming Fundamentals I	4	CHEM 1411	CHEM 1311 & 1111	General Chemistry	4
MATH 2413 (2)	MATH 2413	Calculus I	4	MATH 2414	MATH 2414	Calculus II	4
<b>Total</b>			<b>14</b>	<b>Total</b>			<b>15</b>
Summer Session							
HIST 1301 (1)	HIST 1301	U.S. History I	3	PHED 1164	Core 090	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			
COSC 2436	COSC 2336	Programming Fundamentals III	4	COSC 2325	COSC 2325	Computer Organization	3
PHYS 2425	PHYS 2425	Mechanics & Heat	4	PHYS 2426	PHYS 2426	Electricity, Magnetism, & Light	4
MATH 2305	COSC 2375	Discrete Mathematics	3	ENGL 23XX	040 Core	Lang, Phil. & Culture core curriculum	3
GOVT 2305	POLS 2302	Federal Government	3	MATH 2318	MATH 2318	Linear Algebra	3
<b>Total</b>			<b>14</b>	<b>Total</b>			<b>14</b>
Summer Session (not required for completion of the AS degree - may be completed and transferred to Lamar)							
HIST 1302	HIST 1302	US History II	3	GOVT 2306	POLS 2302	Texas Government	3
<b>Total</b>			<b>3</b>	<b>Total</b>			<b>3</b>
Third Year – Freshman							
Fall Semester				Spring Semester			
Lamar	Course Name		Hrs	Lamar	Course Name		Hrs
COSC 3304	Algorithms Design & Analysis		3	Elective (3)	COSC/CPSC/ELEN Elective – see below		3
COSC 1172	Think, Speak, Write		1	CPSC 4360	Software Engineering		3
COSC 3308	Programming Languages		3	COSC 3325	Computer Law/Ethics		3
010 Core	Communication Core		3	CPSC 4361, CPSC 4363, or COSC 4345	CPSC 4361, CPSC 4363, or COSC 4345		3
COSC 3302	Introduction to Computer Theory		3				
<b>Total</b>			<b>13</b>	<b>Total</b>			<b>12</b>
Fourth Year – Senior							
Lamar	Course Name		Hrs	Lamar	Course Name		Hrs
COSC 4310	Introduction to Computer Architecture		3	COSC 4272	Senior Assessment		2
COSC 4302	Operating Systems		3	COSC 4333	Distributed Systems		3
CPSC 4340	Data Base Design		3	CPSC 4317	Networks		3
Elective (4)	COSC/CPSC Elective – see below		3	Elective (3)	COSC/CPSC/ELEN Elective – see below		3
MATH 3370	Introduction to Theory of Statistical Inference		3	Elective (4)	COSC/CPSC Elective – see below		3
080 Core	Social and Behavioral Sciences Core		3	050 Core	Creative Arts Core		3
<b>Total</b>			<b>18</b>	<b>Total</b>			<b>17</b>

**Notes and Comments:**

- (1) EDUC 1300 is required for First Time in College (FTIC) students only. If not FTIC, student will complete HIST 1302.
- (2) Prerequisites required or placement by testing. (see advisor)
- (3) COSC/CPSC/ELEN options (complete 6 credit hours): COSC 4301, 4307, 4309, 4319, 4322, 4324, 4345; CSPC 3316, 4315, 4316, 4320, 4328, 4330, 4370; ELEN 3381, 4486, 4387, 4304.
- (4) COSC/CPSC options (complete 6 credit hours): COSC 4301, 4307, 4309, 4319, 4322, 4324, 4345; CSPC 3316, 4315, 4316, 4320, 4328, 4330, 4370.

Courses are not required for completion of the AS degree but may be completed at LSC to satisfy program requirements at Lamar University. These courses are recommended for completion prior to transfer.



## Lamar University – Transfer Information

### Program Specific Information:

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

- A grade of “C” or higher for each course in the major field (including transfer courses) is required for graduation.

### Program Admissions Requirements:

- 2.0 minimum GPA

### Transfer of Credit & Student Benefits:

- Transfer Academic Excellence Scholarship and Phi Theta Kappa (PTK) Scholarship available to full-time students:
  - Please refer to <https://beacardinal.lamar.edu/paying-for-college/transfer-scholarships.html> for Eligibility Requirements and Renewal Requirements

Transfer Academic Excellence Scholarship		
Transferrable GPA	Scholarship Amount/Year	Renewable?
3.5-4.0	\$2,000	Yes
3.0-3.49	\$1,500	Yes
Phi Theta Kappa (PTK) Scholarship		
3.0-4.0	\$1,000	Yes

- Reverse transfer
- Students jointly admitted to Lamar University will receive same benefits as student of the institution
- LSC Honors students will receive consideration for acceptance to Lamar’s Honors College

### Field Of Study Courses:

COSC 2325	MATH 2305	PHYS 2425
COSC 2436	MATH 2414	PHYS 2426
COSC 1437	MATH 2413	
COSC 1436		

FOS courses are guaranteed to transfer and apply to degree programs at all Texas public institutions of higher education, including community colleges, state and technical colleges, universities, and health-related institutions. This means the courses will transfer and apply from a two-year to a four-year institution, from a two-year to a two-year institution, from a four-year to a two-year institution, and from a four-year to a four-year institution. (<http://www.theccb.state.tx.us/fos>)