



# Transfer Degree Map: Associate of Science Civil Engineering FOS to Lamar University Bachelor of Science in Civil Engineering



## 4 – Year Suggested Academic Plan for Transfer, Effective Spring 2023

It is important to satisfy all prerequisite and/or corequisite requirements prior to registering for certain courses.

First Year - Freshman							
Fall Semester				Spring Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
EDUC 1300 or HIST 1301(1)	History Core	Learning Framework: 1 <sup>st</sup> Year Exp. Or US History I	3	MATH 2414	MATH 2414	Calculus II	4
ENGL 1301	ENGL 1301	Composition and Rhetoric I	3	PHYS 2425	PHYS 2425	Mechanics & Heat	4
MATH 2413 (2)	MATH 2413	Calculus I	4	GOVT 2305	POLS 2301	Federal Government	3
CHEM 1409	CHEM 1311	General Chemistry I	4	ENGR 1304	CVEN 2370	Engineering Graphics I	3
ENGR 1201	CVEN 1201	Intro to Engineering	2				
<b>Total</b>			<b>16</b>	<b>Total</b>			<b>14</b>
Second Year - Sophomore							
Fall Semester				Spring Semester			
PHYS 2426	PHYS 2426	Electricity, Magnetism & Light	4	MATH 2320	CVEN 2320	Differential Equations	3
MATH 2415	MATH 2415	Calculus III	4	HIST 1302	HIST 1302	US History II	3
ENGR 2301	CVEN 2301	Engineering Mechanics: Statics	3	ENGR 2302	MEEN 2302	Engineering Mechanics: Dynamics	3
ENGR 2304	CVEN 1201	Programming for Engineers	3	ENGR 2332	CVEN 2372	Mechanics of Materials	3
PHED 1164	n/a	Intro to Physical Fitness & Wellness (Core 090)	1	ENGL 1302	n/a	Composition and Rhetoric II	3
<b>Total</b>			<b>15</b>	<b>Total</b>			<b>15</b>
Summer Session I at LSC in preparation for transfer				Summer Session II at Lamar University			
LSC	University	Course Name	Hrs	Lamar	Course Name	Hrs	
PHIL 2301	PHIL 2301	Intro to Ethics (Core 040)	3	INEN 2373	Engineering Economics	3	
Complete core requirements at LSC or Lamar (not required for graduation at LSC)							
<b>Total</b>			<b>3</b>	<b>Total</b>			<b>3</b>
Third Year - Junior							
Fall Semester				Spring Semester			
Lamar	Course Name		Hrs	Lamar	Course Name		Hrs
CVEN 4365	Intro to Transportation Engr.		3	CVEN 3300	Engineering Material Systems		3
CVEN 3340	Structural Analysis		3	CVEN 3360	Engineering Hydrology		3
CVEN 3351	Fluid Mechanics		3	CVEN 3370	Water and Wastewater Treatment		3
Science EI	Choose from: GEOL 1403, BIOL 1406 or CHEM 1412		3-4	CVEN 3390	Geotechnical Engineering		3
Comm EI	Communications Core Option		3				
<b>Total</b>			<b>15</b>	<b>Total</b>			<b>12</b>
Fourth Year - Senior							
Fall Semester				Spring Semester			
CVEN 4312 (3)	CE Systems Design Project (I)		3	CVEN Elective	Choose from CVEN 43XX approved electives		3
CVEN Elective	Choose one: CVEN 4320, 4370, 4309, or 5300-5399; MATH 2318		3	CVEN 4350	Hydraulics Engineering		3
CVEN 4340	Foundation Engineering		3	CVEN 4390	Structural Steel Design		3
CVEN 4380	Reinforced Concrete Design		3	CVEN 4313	CE System Design Project (II)		3
CVEN 4110	Seminar		1	Create Arts	Creative Arts Option (Core 050)		3
<b>Total</b>			<b>13</b>	<b>Total</b>			<b>15</b>

### Notes/Comments:

**All STEM courses require a grade of "C" or better to satisfy degree plan/prerequisite requirements.**

- (1) EDUC 1300 is only required for First Time in College (FTIC) students at LSC. If not FTIC, student should take HIST 1301 - United States History I. All students are required to complete HIST requirement.
- (2) Students may be placed in MATH 2413 through placement by testing or by completing the appropriate MATH prerequisites. See advisor for options.
- (3) Starting approximately Fall 2023, CVEN 4212 will be replacing CVEN 4312 as the first senior design course

## Articulation Agreement Information – Standard and Program to Program (P2P)

### 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

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

Optional Partnership

### **Standard Agreement & P2P Agreement**

(Courses in AS Civil Engineering to Bachelor of Science in Civil Engineering)

### Program Admission Requirements

- LSC students entering BS in Civil Engineering program at Lamar University must have a 2.0 GPA.

### Program Specific Requirements

- All STEM courses require a grade of "C" or better to satisfy degree plan/prerequisite requirements.