

1/17/20	Central Texas College	Lamar University		
	AS in Engineering	BS in Chemical Engineering		
	Completed Courses	Credit Hours	Hours	Course Options
Communication			6	
	ENGL 1301	3		ENGL 1301
				and one of below
	SPCH 1315	3		COMM 1315
				COMM 1321
				DSDE 1371
				FREN 1311
				SPAN 1311
Math			3	
	MATH 2413	4		MATH 2413
Life/Physical Sciences			6	
	PHYS 2425 (Science Core Selection)	4		PHYS 2425
	PHYS 2426 (Science Core Selection)	4		PHYS 2426
Language, Philosophy and Culture				
	PHIL 2306 Ethics (Lang Phil Culture Selection)	3	3	PHIL 2306 *
				PHIL 1370
Creative Arts			3	
	Creative Arts Core Selection	3		ARTS 1301
				ARTS 1303
				COMM 1375
				DANC 2304
				MUSI 1306
				MUSI 1310
				PHIL 1330
				THEA 1310
American History			6	
	HIST 1301	3		HIST 1301

	HIST 1302	3		HIST 1302
				HIST 2301
Govern/Political Science			6	
	GOVT 2305	3		POLS 2301
	GOVT 2306	4		POLS 2302
Social/Behavioral Science			3	
	Social Behavioral Sci Selection	3		INEN 2373***
Component Area Option			6	
	MATH 2414	4		MATH 2414
				2 hours lab science
Degree Requirements			55	
	CHEM 1411 (from component area option)	4		CHEM 1111
				CHEM 1311
				CHEM 1112
				CHEM 1312
				CHEM 3111
				CHEM 3311
				CHEM 3112
				CHEM 3312
				CHEM 3401
				CHEN 2100
				CHEN 2140
				CHEN 2374
				CHEN 3311
				CHEN 3320
				CHEN 3330
				CHEN 3340
				CHEN 4150
				CHEN 4310
				CHEN 4320
				CHEN 4331
				CHEN 4332
				CHEN 4340
				CHEN 4350



				CHEN 4360
				CHEN 4410
				CHEN 1101
				MATH 2318
				MATH 2415
				MATH 3301
				MATH 3370
				INEN 2373***
Technical Electives			9	
Transferable Hours		48		
	ENGR 2302 Dynamics		3	
	ENGR 1201 Intro to Engr		2	
	ENGR 2301 Engineering Mechanics I - Statics		3	
	ENGR 2305 Electrical Circuits I		3	
	ENGR 2332 Mechanics of Materials		3	
			62	

I. PROGRAM ARTICULATION DEGREE MAP

This degree map is designed for students who plan to complete an Associate of Science in Engineering **Program**) at **CTC** and then transfer to **LU** to complete a Bachelor of Science in Chemical Engineering (**LU Program**).

See Attachment B to this Addendum, if applicable

A. FOUR-YEAR DEGREE MAP 20__ - 20__

C R E C	FALL	SPRING	SUMMER
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						(IF APPLICABLE)		
Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
ENGL 1301	Composition I	3	HIST 1302	U S History II	3	MATH 2414	Calculus II	4
HIST 1301	U S History I	3	PHYS 2425	Modern Physics I	4	CHEM 1411	General Chemistry I (Component Area Option)	4
SPCH 1315	Public Speaking	3	MATH 2413	Calculus I	4			
Creative Arts Selection		3	GOVT 2305	Federal Government	3			
ENGR 1201	Intro to Engineering	2						
Fall Total Credit Hours		14	Spring Total Credit Hours		14	Summer Total Credit Hours		8

B.

			FALL			SPRING			SUMMER (IF APPLICABLE)		
Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours			
PHYS 2426	Modern Physics II	4	GOVT 2306	Texas Government	3	CHEM 1312	General Chemistry II	3			
ENGR 2301	Engineering Mechanics I – Statics	3	ENGR 2332	Mechanics of Materials	3	CHEM 1112	General Chemistry II Lab	1			
ENGR 2305	Electrical Circuits I	3	PHIL 2306	Ethics (Lang Phil Culture Selection)	3	MATH 2415	Cal III	4			
			ENGR 2302	Engineering Mechanics II – Dynamics	3						
			Social Behav Science Selection		3						
Fall Total Credit Hours		10	Spring Total Credit Hours		13	Summer Total Credit Hours		8			

THIRD	FALL	SPRING	SUMMER (IF APPLICABLE)
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Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
CHEN 1101	Intro to Chem Engr	1	CHEM 3401	Quantitative Analysis	4	CHEN 3330	Thermodynamics II	3
INEN 2373	Engineering Economics	3	CHEN 3340	Process Analysis	3	CHEN 3311	Momentum Transfer	3
CHEN 2374	Thermodynamics I	3	MAT H 3301	Ord Diff Equations	3	CHEN 3320	Heat Transfer	3
CHEN 2140	Undergrad Seminar	1	MAT H 3370	Theory to Stat Inference	3	CHEN 4410	Reaction Kinetics	4
CHEN 2100	CAMS	1						
MAT H 2318	Linear Algebra	3						
CHEM 3111 & 3311		4	CHEM 3112 & 3312		4			
Fall Total Credit Hours		16	Spring Total Credit Hours		17	Summer Total Credit Hours		13

c. 1/17/20

NOTES/COMMENTS:

FOURTH YEAR AT LAMAR UNIVERSITY	FALL			SPRING			SUMMER (IF APPLICABLE)		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	CHEN 4331	Process control I	3	CHEN 4332	Process Control II	3			
	CHEN 4320	Mass Transfer	3	CHEN 4150	Process Control Lab	1			
	CHEN 4310	Lab I	3	CHEN 4340	Plant Design II	3			
	CHEN 4360	Design I	3	CHEN 4350	Advanced Analysis	3			

	Technical Elective		3	Technical Elective		3			
				Technical Elective		3			
			15			16			