

	Central Texas College		Lamar University	
	AS in Engineering		BS in Mechanical Engineering	
2/6/20			H o u r s	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 Selection)	4		PHYS 2425
	PHYS 2426 (Science Selection)	4		PHYS 2426
Language, Philosophy and Culture			3	
	PHIL 2306 (Lang/PhilCulture Core Elective)	3		PHIL 2306 *
				PHIL 1370
Creative Arts			3	
	Creative Arts Core Elective	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	3		POLS 2302
Social/Behavioral Science			3	
	Soc Bev Sci Core Elective	3		INEN 2373***
Component Area Option			6	
	MATH 2414	4		MATH 2414
				2 hours lab science
Degree Requirements			7	
			4	
	CHEM 1411 (Component Area Option)	4		CHEM 1111
				CHEM 1311
	ENGR 2305	3		ELEN 3310
	ENGR 2332	3		INEN 3322
				MATH 3301
				MATH 2318
				MATH 2415
	ENGR 2301	3		MEEN 2301
	ENGR 2302	3		MEEN 2302
				MEEN 2372
				MEEN 2374
				MEEN 3210
				MEEN 3300
				MEEN 3310
				MEEN 3311
				MEEN 3320
				MEEN 3340
				MEEN 3350
				MEEN 3380
				MEEN 4110
				MEEN 4310
				MEEN 4313
				MEEN 4316

				MEEN 4317
				MEEN 4319
				MEEN 4323
				INEN 2373***
Statistics			3	
				INEN 4320/MATH 3370
MEEN Electives			6	
Transferable hours		59		
	<i>ENGR 1201</i>		2	1 2 6 h o u r s
				INEN 2373*** is required for degree

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FOUR-YEAR DEGREE MAP 20__ - 20__

NOTES/COMMENTS: It is to the student's advantage to take CHEM 1411 as their component elective.

First Year at Central Texas College	FALL			SPRING			SUMMER (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	Cal II	4
	HIST 1301	U S History I	3	PHYS 2425 (Science Selection)	Univ Physics	4	CHEM 1411 (Component Area Option)	Gen Chem I	4
	SPCH 1315	Public Speaking	3	MATH 2413	Cal I	4			
	Creative Arts Core Elective		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

Second Year at Central Texas College	FALL			SPRING			SUMMER (IF APPLICABLE)		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	PHYS 2426 (Science Selection)	Univ Physics	4	GOVT 2306	Texas Government	3	MATH 2318	Linear Algebra	3

ENGR 2301	Statics	3	ENGR 2332	Mechanics of Materials	3	MATH 2415	Cal III	4
ENGR 2305	Electrical Circuits	3	PHIL 2306 (Lang/Phil/Culture Core Elective)		3	MEE N 2374	Thermodynamics I	3
			ENGR 2302	Dynamics	3			
			Soc Bhav Sci Core Elective		3			
Fall Total Credit Hours		12	Spring Total Credit Hours		15	Summer Total Credit Hours		10

Third Year at Lamar University	FALL			SPRING			SUMMER (IF APPLICABLE)		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	MEEN 3340	Engineering Analysis	3	MEEN 3210	Measurements Lab	2			
	MEEN 3311	Fluid Mechanics	3	MEEN 3310	Heat Transfer	3			
	MEEN 3380	Thermodynamics II	3	MEEN 3300	Design of Mechanisms	3			
	MEEN 2372	Mechanics of Solids	3	MEEN 3320	Mechanical Design I	3			
	INEN 2373	Engineering Economics	3	MEEN 3350	CAE	3			
				MATH 3301	Differential Equations	3			
	Fall Total Credit Hours		15	Spring Total Credit Hours		17	Summer Total Credit Hours		

Fourth Year at Lamar University	FALL			SPRING			SUMMER (IF APPLICABLE)		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	MEEN 4110	Seminar	1						
	MEEN 4310	Integrated Systems Design	3	MEEN 4316	Eng Design Project	3			
	MEEN 4313	Thermal System Design	3	MEEN 4317	Dynami c System s Analysi s	3			
	MEEN 4319	Materials Science	3	MEEN Elective		3			
	MEEN 4323	Mechnica l Design II	3	INEN 4320/MA TH 3370	Statistic s	3			
	MEEN Elective		3						
	Fall Total Credit Hours		16	Spring Total Credit Hours		12	Summer Total Credit Hours		

2/6/20

NOTES/COMMENTS: