

Transfer Planning Guide

CENTX 9	Central Texas College		Lamar University	
10/20/19	AS in Engineering		BS in Industrial Engineering	
	Completed Courses	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	
	CHEM 1411	4		CHEM 1311 *
				CHEM 1111 *
	CHEM 1412	4		CHEM 1312 *
				CHEM 1112 *
				BIOL 1406
				BIOL 1407
Language, Philosophy and Culture				
	PHIL 2306 *	3	3	PHIL 2306 **
				PHIL 1370
				ENGL 2300
				ENGL 2310
				ENGL 2320
				ENGL 2322
				ENGL 2326
				ENGL 2331
				ENGL 2371
				ENGL 2376
Creative Arts			3	
	ARTS 1301	3		ARTS 1301
				ARTS 1303
				COMM 1375
				DANC 2304
				MUSI 1306
				MUSI 1310
				PHIL 1330

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				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	
				INEN 2373***
				ECON 1301
				ECON 2301
				ECON 2302
				PSYC 2301
	SOCI 1301	3		SOCI 1301
Component Area Option			6	
	MATH 2414	4		MATH 2414
				2 hours lab science
Degree Requirements			55	
	ENGR 1201	2		INEN 1101
				INEN 2360
				INEN 2373
				INEN 3322
				INEN 3380
	ENGR 2305 Circuits I	3		ELEN 2310
	ENGR 2301 Statics	3		CVEN or MEEN 2301
	ENGR 2302	3		MEEN 2302
				INEN 3320
				INEN 4315
				INEN 4350
				INEN 4320
				INEN 4345
				INEN 4370
				INEN 4300
				INEN 4323
				INEN 4375
				INEN 4316
				INEN 4385
Additional Requirements			14	
				MATH 2318
				MATH 3301
				PHYS 2425

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Additional Lower Level Coursework			
	Course	Title	Credit Hours
	MATH 2318	Linear Algebra	3
	PHYS 2425	University Physics I	4
	PHYS 2426	University Physics II	4
Total Credit Hours		11	

THIRD YEAR AT LAMAR UNIVERSITY	FALL			SPRING			SUMMER (IF APPLICABLE)		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	INEN 2373	Engineering Economics	3	INEN 4320	Stat Decision Making Engr	3			
	INEN 3320	Probability & Stat for Engr	3	INEN 4345	Computer Int. Manufacturing	3			
	INEN 4315	Industrial Management	3	INEN 4370	Operations Research	3			
	INEN 2360		3	INEN 4300	Quality Improvement	3			
	INEN 3322	Engr. Materials & Processes	3	INEN 3380	Work Design	3			
	Fall Total Credit Hours		15	Spring Total Credit Hours		15	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
	INEN 4323	IE Systems Design	3	INEN 4385	IE Design	3			
	INEN 4375	Simulation of EI Systems	3	Approved Elect.		3			
	INEN 4316	Industrial and Product Safety	3	Approved Elect.		3			
	MATH 3301	Differential Equations	3	Approved Elect.		3			
	INEN 4350	Production & Inventory Control	3	Approved Elect.		3			
	Fall Total Credit Hours		15	Spring Total		15			

NOTES/COMMENTS: