



## TRANSFER PATHWAY:

## LEE COLLEGE AS EGR3 TO CHEMICAL AND BIOMOLECULAR ENGINEERING

First Year - Freshman							
Fall Semester				Spring Semester			
Lee College	Lamar	Course Name	Hrs	Lee College	Lamar	Course Name	Hrs
EDUC 1200		Learning Frameworks	2	ENGR 2304	CHEN 1301	Programming for Engineering	3
ENGR 1201	ELEN 1100	Introduction to Engineering	2	MATH 2414	MATH 2414	Calculus II with Analytic Geometry	4
ENGL 1301	ENGL 1301	English Composition I	3	SPCH 1315	COMM 1315	Principles of Public Speaking	3
MATH 2413	MATH 2413	Calculus I with Analytic Geometry	4	PHYS 2425	PHYS 2425	University Physics I	4
CHEM 1411	CHEM 1311/1111	General Chemistry I (with lab)	4	CHEM 1412	CHEM 1312/1112	General Chemistry II (with lab)	4
<b>Total</b>			<b>15</b>				<b>18</b>
Summer Semester							
Lee College	Lamar	Course Name	Hrs	Lee College	Lamar	Course Name	Hrs
GOVT 2305	POLS 2301	Federal Government	3	GOVT 2306	POLS 2302	Texas Government	3
<b>Total</b>							<b>6</b>
Second Year - Sophomore							
Fall Semester				Spring Semester			
Lee College	Lamar	Course Name	Hrs	Lee College	Lamar	Course Name	Hrs
MATH 2415	MATH 2415	Calculus III with Analytic Geometry	4		CHEN 2140	Professional Seminar	1
PHYS 2426	PHYS 2426	University Physics II	4		CHEN 2300	Chemical Engineering Applied Mathematics	3
CHEM 2423	CHEM 3311/3111	Organic Chemistry I	4		CHEM 3401	Quantitative Analysis	4
MATH 2320	MATH 2320	Differential Equations	3		CHEN 3340	Process Analysis	3
ENGR 2308	INEN 2373	Engineering Economics	3		CHEN 2374	Thermodynamics I	3
<b>Total</b>			<b>18</b>				<b>14</b>
Third Year - Junior							
Fall Semester				Spring Semester			
Lamar	Course Name	Hrs		Lamar	Course Name	Hrs	
CHEN 3330	Thermodynamics II	3		CHEN 3320	Heat Transfer	3	
CHEN 3311	Momentum Transfer	3		CHEN 4410	Reaction Kinetics	4	
MATH 3370	Introduction to the Theory of Statistical Inference	3			Technical Elective*	3	
	Technical Elective*	3			Creative Arts Core	3	
PHIL 2306 or PHIL 1370	Ethics or Philosophy of Knowledge	3		HIST 1301	US History I 1763-1877	3	
<b>Total</b>		<b>15</b>	<b>Total</b>			<b>15</b>	<b>Total</b>
Fourth Year - Senior							
Fall Semester				Spring Semester			
Lamar	Course Name	Hrs		Lamar	Course Name	Hrs	
CHEN 4336	Process Control I	3		CHEN 4332	Process Control II	3	
CHEN 4320	Mass Transfer	3		CHEN 4150	Process Control Laboratory	1	
CHEN 4310	Laboratory I	3		CHEN 4340	Plant Design II	3	
CHEN 4360	Plant Design I	3		CHEN 4350	Advanced Analysis	3	
	Technical Elective*	3			Technical Elective*	3	
				HIST 1302	US History II Since 1877	3	
<b>Total</b>		<b>15</b>	<b>Total</b>			<b>16</b>	<b>Total</b>

## Notes:

This plan is designed for students to transfer to Lamar University after completing three semesters at Lee College.

\*Must be approved by the department chair. At least 6 hours must be an engineering elective and 3 hours must be a chemistry elective.