



**Transfer Pathway: Blinn College AS  
Engineering, General to Lamar University BS  
Industrial Engineering**



First Year - Freshman							
Fall Semester				Spring Semester			
Blinn	Lamar	Course Name	Hrs	Blinn	Lamar	Course Name	Hrs
ENGR 1201		Intro to Engr.	2	ENGR 1304		Engr. Graphics	3
MATH 2413		Calculus I	4	MATH 2414		Calculus II	4
CHEM 1409		Gen Chem for Engineers	4	PHYS 2325		University Physics I	3
ENGL 1301		English Comp I	3	PHYS 2125		University Physics I Lab	1
LPC Core		LPC Core	3	ENGL 1302		English Comp II	3
				HIST Core		American History Core	3
<b>Total</b>			<b>16</b>	<b>Total</b>			<b>17</b>
Summer Semester							
Blinn	Lamar	Course Name	Hrs	Blinn	Lamar	Course Name	Hrs
<b>Total</b>			<b>0</b>	<b>Total</b>			<b>0</b>
Second Year - Sophomore							
Fall Semester				Spring Semester			
Blinn	Lamar	Course Name	Hrs	Blinn	Lamar	Course Name	Hrs
ENGR 2301		Statics	3	ENGR 2302		Dynamics	4
MATH 2415		Calculus III	4	ENGR 2405		Electrical Circuits	3
PHYS 2326		University Physics II	3	ENGR 2304		Programming for Engineers	3
PHYS 2126		University Physics II Lab	1	MATH 2320		Differential Equations	3
SBS Core		SBS Core	3				
<b>Total</b>			<b>14</b>	<b>Total</b>			<b>13</b>
Summer Semester							
Blinn	Lamar	Course Name	Hrs	Blinn	Lamar	Course Name	Hrs
GOVT Core		Govt/Political Science Core	3	CHEM 1312		General Chemistry II	3
MATH 2318		Linear Algebra	3	CHEM 1111		General Chemistry II Lab	1
ENGR 2308	INEN 2373	Engineering Economics	3				
<b>Total</b>			<b>9</b>	<b>Total</b>			<b>4</b>
Third Year - Junior							
Fall Semester				Spring Semester			
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs		
INEN 3320	Prob & Statistics for ENGR	3	INEN 4320	Statistical Decision Making in ENGR	3		
INEN 4315	Industrial Management	3	INEN 4345	Computer Integrated Manufacturing	3		
INEN 4350	Production & Inventory Control	3	INEN 4370	Operations Research	3		
INEN 3322	ENGR Materials & Process	3	INEN 4300	Quality Improvement	3		
INEN 3380	Work Design	3					
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>12</b>		
Summer Semester							
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs		
<b>Total</b>		<b>0</b>	<b>Total</b>		<b>0</b>		
Fourth Year - Senior							
Fall Semester				Spring Semester			
Lamar	Course Name	Hrs	Lamar	Course Name	Hrs		
INEN 4323	IE Systems Design	3	INEN 4385	IE Design	3		
INEN 4375	Simulation of IE Systems	3	Tech Elective	Technical Elective	3		
INEN 4316	Industrial & Product Safety	3	Tech Elective	Technical Elective	3		
INEN 4396	Automated System Engineering	3	HIST Core	History Core	3		
CA Core	Creative Arts Core	3	GOVT Core	Govt/Political Science Core	3		
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>		

**Notes:**

ENGR 2302 and MATH 2315 transfer as INEN electives.

ENGR 1304 Engineering Graphics does not transfer due to only accepting 2 lower division courses as INEN electives.

ENGR 1201 Intro to Engineering transfers as a one hour course.

LU has 3 hour circuits instead of 4.

Blinn students should take ENGR 2304 Programming for Engineers instead of ENGR 2332 Mechanics of Materials.

Note - INEN 2373 at Lamar counts as a Social and Behavioral Science Core.