



# Blinn Associate of Science in Engineering to Lamar University Bachelor of Science in Industrial Engineering Transfer Degree Map



## 4-Year Suggested Academic Plan for Transfer of the Associate of Science

Blinn College District

First Year-Freshman								
Fall Semester			Spring Semester			Summer		
Course	Title	Hrs	Course	Title	Hrs	Course	Title	Hrs
ENGR 1201	Intro to Eng.	2	ENGR 1304	Engineering 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			
			History core	American History Core	3			
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>17</b>			<b>3</b>

Second Year-Sophomore								
Fall Semester			Spring Semester			Summer		
Course	Title	Hrs	Course	Title	Hrs	Course	Title	Hrs
ENGR 2301	Statics	3	ENGR 2302	Dynamics	4	POL SCI Core	POL SCI Core	3
MATH 2415	Calculus III	4	ENGR 2405	Electrical Circuits	3	MATH 2318	Linear Algebra	3
PHYS 2326	University Physics II	3	ENGR 2304	Prgrmmng for Engineers	3	CHEM 1312	General Chemistry II	3
PHYS 2126	University Physics II Lab	1	MATH 2320	Differential Equations	3	CHEM 1112	General Chemistry II Lab	1
SBS Core	SBS Core	3				INEN 2373 or ENGR 2308	Engr Economics	3
<b>Total</b>		<b>14</b>	<b>Total</b>		<b>13</b>			<b>13</b>

Lamar University

Third Year-Junior					
Fall Semester			Spring Semester		
Course	Course Name	Hrs	Course	Course Name	Hrs
INEN 3320	Prob & Statistics Engr	3	INEN 4320	Stat. Decision Making Engr.	3
INEN 4315	Industrial Mgmt	3	INEN 4345	Computer Integrated Mfg.	3
INEN 4350	Prod & Inventory Cntrl	3	INEN 4370	Operations Research	3
INEN 3322	Engr Materials/Process	3	INEN 4300	Quality Imprvmt	3
INEN 3380	Work Design	3			
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>12</b>

Fourth Year-Senior					
Fall Semester			Spring Semester		
Course	Course Name	Hrs	Course	Course Name	Hrs
INEN 4323	IE Sys Design	3	INEN 4385	IE Design	3
INEN 4375	Sim of IE Syst	3	Technical Elective	Technical Elective	3
INEN 4316	Industrial & Product Safety	3	Technical Elective	Technical Elective	3
INEN 4396	Automated System Engr	3	History Core	American History Core	3
CA Core	Creative Arts Core	3	POL SCI Core	Political Science Core	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Blinn College Notes/Comments:**

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

**Lamar University Notes/Comments:**

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.