



**LAMAR UNIVERSITY - BEAUMONT (4 Years at LU)**  
**B.S. in INDUSTRIAL ENGINEERING (121 Hours)**  
**PROGRAM OF STUDY**



This form applies to students entering Lamar University after May, 2015  
 Supercedes all previous catalogs

**Name:** \_\_\_\_\_  
**LUID:** \_\_\_\_\_  
**Advisor:** \_\_\_\_\_

**Street:** \_\_\_\_\_  
**City, State, Zip:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_  
**Email:** \_\_\_\_\_

**FALL**

**SPRING**

**FIRST YEAR**

	CR	GRADE			
INEN 1101 Intro to Engineering	1				
<b>CHEM 1311 Chemistry I</b>	3				
<b>CHEM 1111 Chemistry I Lab</b>	1				
ENGL 1301 English Composition 1	3				
MATH 2413 Calculus & Analytic Geo. I	4				
<b>COMM 1315 Public Speaking (5)</b>	3				
<b>TOTAL</b>	<b>15</b>				

	CR	CR	GRADE			
INEN 2360 Comp. Appl. IE	3					
<b>CHEM 1312 - Lab Science Elective(2)</b>	3					
<b>CHEM 1112 - Lab Sc Elective Lab (2)</b>	1					
MATH 2414 Calculus & Analytic Geo. II	4					
PHYS 2425 Physics I	4					
<b>TOTAL</b>	<b>15</b>					

**SECOND YEAR**

INEN 2373 Engineering Economics (3)	3				
<b>INEN 3322 Engr. Matls. &amp; Procs.</b>	3				
CVEN 2301 Statics	3				
MATH 3328 Linear Algebra	3				
PHYS 2426 Physics II	4				
<b>TOTAL</b>	<b>16</b>				

INEN 3380 Work Design	3				
ELEN 2310 Fundamentals of EE	3				
MATH 3301 Diff. Eq.	3				
MEEN 2302 Dynamics	3				
<b>PHIL 2306 Ethics (1)</b>	3				
<b>TOTAL</b>	<b>15</b>				

**THIRD YEAR**

<b>INEN 3320 Probability &amp; Stat for Engr</b>	3				
INEN 4315 Industrial Management	3				
INEN 4350 Production & Inventory Control	3				
<b>Approved Elective (4) (9)</b>	3				
HIST 1301 History I	3				
<b>TOTAL</b>	<b>15</b>				

<b>INEN 4320 Stat Decision Making Engr (8)</b>	3				
INEN 4345 Computer Int. Manufacturing	3				
INEN 4370 Operations Research	3				
<b>INEN 4300 Quality Improvement</b>	3				
HIST 1302 History II	3				
<b>TOTAL</b>	<b>15</b>				

**FOURTH YEAR**

INEN 4323 IE Systems Design (7)	3				
INEN 4375 Simulation of IE Sys.	3				
<b>INEN 4316 Industrial and Product Safety</b>	3				
Approved Elective (4) (9)	3				
POLS 2301 American Gov't. I	3				
<b>TOTAL</b>	<b>15</b>				

INEN 4385 IE Design	3				
Approved Elective (4) (9)	3				
Approved Elective (4) (9)	3				
Creative Arts Elective (6)	3				
POLS 2302 American Gov't. II	3				
<b>TOTAL</b>	<b>15</b>				

**NOTES:**

**All STEM courses require a grade of 'C' or better to satisfy degree plan/prerequisite requirements**

- (1) or PHIL 1370 Philosophy of Knowledge
- (2) CHEM 1312 + 1112 or another course approved by the INEN Chair
- (3) Social and Behavioral Science Elective is INEN 2373 Engineering Economics
- (4) Must be INEN or see (9) or approved by BSIE Program Chair
- (5) Or COMM 1321, DSDE 1371 (ASL 1), FREN 1311, SPAN 1311
- (6) Creative Arts Electives are: ARTS 1301, ARTS 1303, DANC 2304, MUSI 1306, COMM 1375, PHIL 1330
- (7) In addition to the prerequisites, students must be admitted into the BSIE Program and completed all courses through the junior year
- (8) Must be advanced to BSIE status
- (9) BSIE/MBA 5-year Program Electives: BULW 3310, ACCT 5315, ECON 5300, BCOM 3350 (ONLY if there is an English proficiency issue)**