

**Del Mar College AS Industrial Engineering to LU BS Industrial Engineering**

First Year at Del Mar College	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	ENGR 1201	Intro to Engineer	2	MATH 2320	Diff Equations	3			
	CHEM 1411	Gen Chemistry I	4	HIST 1302	US History II	3			
	ENGL 1301	English Comp I	3	MATH 2414	Calculus II	4			
	HIST 1301	US History I	3	PHYS 2425	Univ Physics I	4			
	MATH 2413	Calculus I	4						
	<b>Fall Total Credit Hours</b>		16	<b>Spring Total Credit Hours</b>		14	<b>Summer Total Credit Hours</b>		

Second Year at Del Mar College	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	CA Core	CA Core	3	ENGR 2105	Circuits Lab	1	MATH 2320	Diff Equations	3
	ENGR 2332	Mechanics of Mater	3	ENGR 2308	Engin Econ	3	MATH 2318	Linear Algebra	3
	GOVT 2305	Federal Govt	3	ENGR 2305	Elect Circuits	3			
	MATH 2415	Calculus III	4	GOVT 2306	Texas Govt	3			
	PHYS 2426	Univ Physics II	4	ECON 2301 or 2302*	Macro or Micro Econ	3			
	<b>Fall Total Credit Hours</b>		17	<b>Spring Total Credit Hours</b>		13	<b>Summer Total Credit Hours</b>		6

Third Year at Lamar University	FALL			SPRING			SUMMER		
	Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
	INEN 3320	Prob & Statistics Engin	3	INEN 4320	Stat Decision Making Engr	3			
	INEN 4315	Industrial Mgmt.	3	INEN 4345	Computer Integrated Mfg.	3			
	INEN 4350	Product & Inventory Control	3	INEN 4370	Operations Research	3			
	INEN 3322	Engineering Materials/Process	3	INEN 4300	Quality Improvement	3			
	INEN 3380	Work Design	3						
	<b>Fall Total Credit Hours</b>		15	<b>Spring Total Credit Hours</b>		12	<b>Summer Total Credit Hours</b>		

Fourth Year at Lamar University	FALL			SPRING			SUMMER		
	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	Sim of IE Systems	3	INEN 4396	Auto System Engineering	3			
	INEN 4316	Industrial & Product Safety	3	Technical Elective	Technical Elective	3			
	Technical Elective	Technical Elective	3	LPC Core**	LPC Core**	3			
	Comm Core	Comm Core	3	Chem 1312/1112	Chemistry II	4			
	<b>Fall Total Credit Hours</b>		15	<b>Spring Total Credit Hours</b>		16	<b>Summer Total Credit Hours</b>		

**DEL MAR COLLEGE NOTES/COMMENTS:**

\*LU requires ENGR 2308 Engineering Economics, and it counts towards the SBS core requirement at LU.

\*\*LU prefers PHIL 2306 Ethics for LPC core.

**LAMAR UNIVERSITY NOTES/COMMENTS:**

\*LU requires ENGR 2308 Engineering Economics, and it counts towards the SBS core requirement at LU. \*\*LU prefers PHIL 2306 Ethics for LPC core. CAL III and ENGR 2332 counted as INEN Electives.

Students can take the following at LU or Del Mar:

1. ENGR 2308 Engineering Economics
2. Core Philosophy (Ethics preferred)
3. Linear Algebra
4. Differential Equations.
5. Communication Core Elective
6. Chem II

Engineering graphics not used.