

## Lamar University Undergraduate Degree Requirements

Name of Degree: <b>BS Industrial Engineering</b>	
<b>All students must satisfy provisions of the Texas Success Initiative program, which are listed elsewhere in this catalog. Developmental courses do not count toward this degree plan.</b>	
I. Special Requirements within the Philosophy of Knowledge Core Curriculum and Physical Activity:	MATH 2413, 2414 (Calculus I & II), CHEM 1411 (Chemistry I), PHYS 2425. INEN 2373
2. Required Courses for major	<p>INEN 1101 Intro to Engineering INEN 2360 Comp. Appl. in IE</p> <p>INEN 3320 Probability and Statistics CVEN 2301 Statics MATH 2318 Linear Algebra PHYS 2426 Physics II INEN 3380 Work Design INEN 4320 Stat. Decision Making for Engr ELEN 2310 Fund. Of Elec. Engr. &amp; Applications MATH 3301 Ordinary Diff. Equations MEEN 2302 Dynamics INEN 3322 Engr. Matls. &amp; Procs. INEN 4315 Industrial Management INEN 4350 Production &amp; Inventory Control INEN 4300 Quality and Improvement INEN 4316 Industrial and Product Safety Safety Safety Safety INEN 4345 Computer Int. Mfg Manufacturing INEN 4370 Operations Research CHEM 1412 - Lab Science (1) INEN 4323 IE Systems Design</p>

	INEN 4375 Simulation of IE Sys. INEN/TECH Elective (3) INEN 4385 IE Design INEN/TECH Elective INEN/TECH Elective
3. Free Electives	None
4. Other requirements	INEN/TECH electives must be advanced and approved by advisor
5. Minor	None
TOTAL number of required hours:	125

**Required courses not listed:**

**PHIL 1370 – Philosophy of Knowledge**  
**PEGA XXXX – Kinesiology**  
**ELEN 1301 – Intro to Computers**  
**ENGL 1302/1374 – English Composition**  
**ECON 1301 Social Science Elective (2)**  
**HIST (1301 – 1377) History 1**  
**HIST (1301 – 1377) History 2**  
**ENGL (2322 – 2377) English Literature (5)**  
**POLS 2301 – American Gov't I**  
**COMM (1315, 1360, 2335, 2373, 3310, 3340) (4)**  
**Fine Arts Elective (6)**  
**POLS 2301 American Gov't II**

**Other Notes:**

**(1) CHEM 1412 or another course approved by the INEN Advisor.**  
**(2) Social Science Electives are: ECON 1301, PSYC 2301, SOCI 1301, ANTH 2346, or ANTH 2351.**  
**(3) A 3000 or 4000 level course approved by INEN advisor.**  
**(4) Or CDMS 2375 (American Sign Language) or Modern Language.**

**(5) Any ENGL 2322-2377 will satisfy this requirement.**

**(6) Fine Arts Electives are: ARTS 1301, DANC 2304, HUMA 1315, MUSI 1306, or THEA 1310.**