



# BACHELOR OF SCIENCE INDUSTRIAL ENGINEERING

COURSES AVAILABLE ONLINE OR ON CAMPUS



**YOUR Moment IS HERE**

**START WITH BLINN COMMUNITY COLLEGE. FINISH AT LAMAR UNIVERSITY!**

## Your Future

Want to change the world? Are you a critical thinker who enjoys a good challenge? Maybe you find yourself thinking about ways to make the world more efficient. Individuals with these talents are sought by companies around the world to increase quality and productivity.

The Bachelor of Science in Industrial Engineering is offered online and on campus. Through our program, students are prepared to solve real-world problems before entering the workforce through student-focused faculty, coursework centered in experiential learning and on-the-job training through co-ops. You graduate ready to enter a high-paying career.

### Career Opportunities

- Data Analysis
- Design
- Economic Analysis
- Engineering Services
- Healthcare
- Lean Engineering
- Logistics
- Managerial Solutions
- Manufacturing
- Operation Control
- Operations Research
- Project Management
- Quality Control
- Safety Management
- Automation
- Supply Chain Management

## LU SCHOLARSHIPS

AMOUNT/YEAR	TRANSFERABLE GPA	RENEWABLE?
<b>TRANSFER ACADEMIC EXCELLENCE SCHOLARSHIP*</b>		
<b>\$2,000</b>	3.5-4.0	YES
<b>\$1,500</b>	3.0-3.49	YES
<b>PHI THETA KAPPA (PTK) SCHOLARSHIP</b>		
<b>\$1,000</b>	3.0-3.49	YES

*\*Based on availability and for full-time students who have earned more than 30. but less than 90 transfer credits and enrolled in on-campus programs*

**TO APPLY FOR SCHOLARSHIPS**

- Complete your admissions application
- Visit [lamar.edu/myscholarships](http://lamar.edu/myscholarships)
- Complete the General Application

**PRIORITY DEADLINES**  
 Fall – July 1  
 Spring – December 1

## A.S. ENGINEERING

### FALL SEMESTER

ENGR 1201 - Intro to Engineering  
MATH 2413 - Calculus  
CHEM 1411 - General Chemistry  
ENGL 1301 - Composition I  
SPCH 1315 - Public Speaking

### SPRING SEMESTER

MATH 2414 - Calculus II  
PHYS 2425 - University Physics I  
ENGL 2311 - Technical Writing  
ENGR 2304 - Programming for Engineers (Restricted)

### FALL SEMESTER

ENGR 2301 - Engineering Mechanics Statics  
MATH 2415 - Calculus III  
PHYS 2426 - University Physics II  
HIST 1301 - US History I  
GOVT 2305 - Federal Government

### SPRING SEMESTER

HIST 1302 - US History II  
GOVT 2306 - Texas Government  
Creative Arts Core  
PHIL 2306  
Soc & Behavioral Sci Core

### SUMMER (if applicable)

MATH 3301 - Differential Equations  
MATH 2318 - Linear Algebra

## B.S. INDUSTRIAL ENGINEERING

### FALL SEMESTER

INEN 3320 - Probability & Stat for Engr  
INEN 4350 - Production & Inventory Control  
INEN 3322 - Engr. Materials & Processes  
INEN 2372 - Engineering Economics  
INEN 4315 - Industrial Management

### SPRING SEMESTER

INEN 4320 - Stat Decision Making Engr  
INEN 4345 - Computer Int. Manufacturing  
INEN 4370 - Operations Research  
INEN 4300 - Quality Improvement  
INEN 3380 - Work Design  
ELEN - Fundamentals of Electrical Engineering

### FALL SEMESTER

INEN 4323 - IE Systems Design  
INEN 4375 - Simulation of EI Systems  
INEN 4316 - Industrial and Product Safety  
MEEN 2302 - Dynamics

### SPRING SEMESTER

INEN 4385 - IE Design  
Approved Elect.  
Approved Elect.  
CHEM 1312 - General Chemistry II  
CHEM 1112 - General Chemistry III Lab



**I'm ready to apply.  
What's next?**

**You've made a great choice!  
Follow the steps below to becoming a Cardinal.**

## HOW TO APPLY

### REQUIRED STEPS

1. **Finish your degree at Blinn Community College**
2. **Complete your application and transfer to Lamar University through ApplyTexas.org**
3. **Finish your Industrial Engineering degree online or on campus**



OFFICE OF ADMISSIONS & RECRUITMENT  
**LAMAR UNIVERSITY**



/lamaruadmissions  
@lamaruadmissions

**PLAN A VISIT TO CAMPUS** (409) 880-8316

plan or take a virtual tour at [lamar.edu/visit](http://lamar.edu/visit)