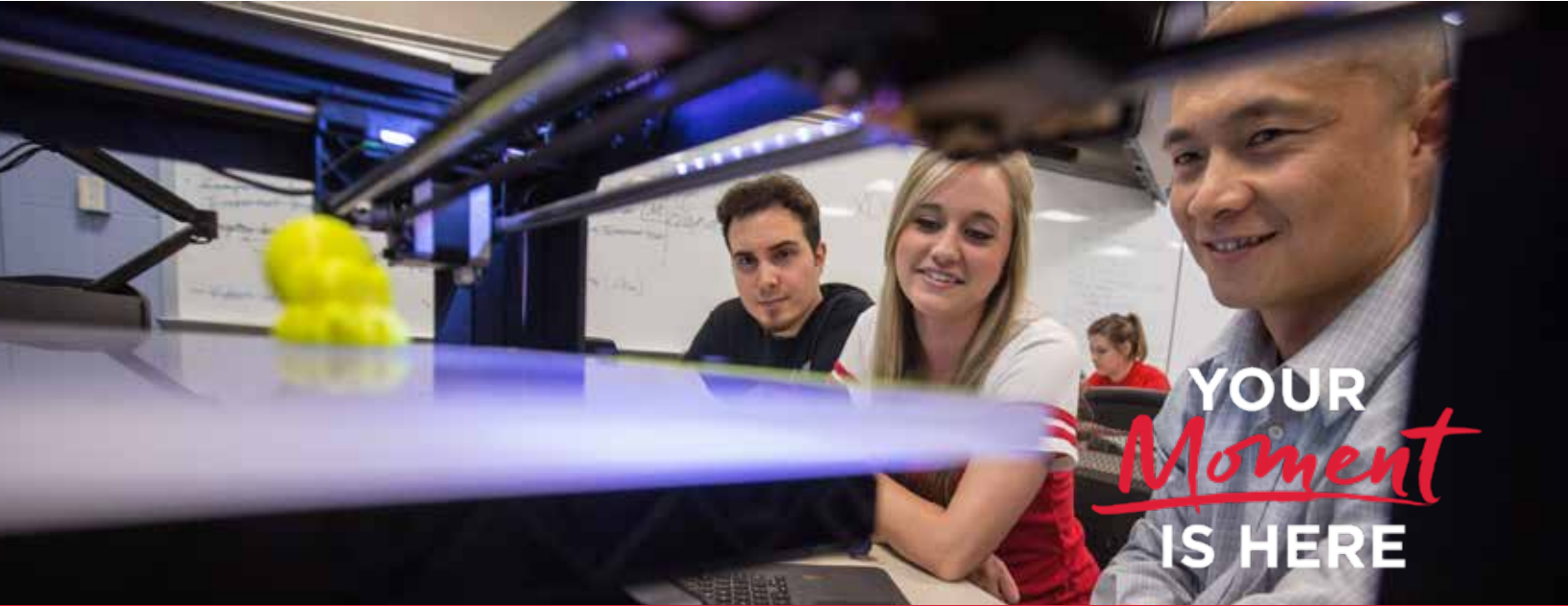




# BACHELOR OF SCIENCE INDUSTRIAL ENGINEERING

COURSES AVAILABLE ONLINE



YOUR *Moment* IS HERE

**START WITH HOUSTON 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 Areas

- 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 SCIENCE

### FALL SEMESTER

ENGL 1301 – Composition I  
HIST #3## – American History Elective  
MATH 2413 – Calculus I  
CHEM 1311 – General Chemistry I  
CHEM 1111 – General Chemistry Lab  
ENGR 1201 – Intro to Engineering

### SPRING SEMESTER

ENGR 1204 – Engineering Graphics I  
ENGL 1302/2311  
MATH 2414 – Calculus II  
PHYS 2325 – University Physics I  
PHYS 2125 – University Physics I Lab  
GOVT 2305/2306

### SUMMER (at HCC)

SPCH 1315 – Public Speaking  
CHEM 1312 – Chemistry II  
CHEM 1112 – Chemistry II Lab  
HIST 1302 – History II  
MATH 2318 – Linear Algebra

### FALL SEMESTER

ENGR 2304 – Programming for Engineers  
ECON 2301/2302  
ENGR 2301 – Engineering Mechanics – Statics  
MATH 2415 – Calculus III  
PHYS 2326 – University Physics II  
PHYS 2126 – University Physics II Lab

### SPRING SEMESTER

ENGR 2405 – Electrical Circuits  
MATH 2320 – Differential Equations  
XXXX #3## – Engineering Elective  
XXXX #3## – Creative Arts Elective  
XXXX #3## – Lang, Phil, Culture Elective (1)

## B.S. INDUSTRIAL ENGINEERING

### FALL SEMESTER

INEN 2373 – Engineering Economics  
INEN 3320 – Probability & Stat for Engr  
INEN 4315 – Industrial Management  
INEN 4350 – Production & Inventory Control  
INEN 3322 – Engr. Materials & Processes (2)

### 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

### FALL SEMESTER

INEN 4323 – IE Systems Design  
INEN 4375 – Simulation of IE Systems  
INEN 4316 – Industrial and Product Safety  
MATH 3301 – Differential Equations  
GOVT 2306 – Texas Government

### SPRING SEMESTER

INEN 4385 – IE Design  
Approved Elective  
Approved Elective  
Approved Elective  
Approved Elective

#### Notes:

1.) PHIL 2306 preferred 2.) Requires a 3-day weekend lab on campus at Lamar University



## HOW TO APPLY

### REQUIRED STEPS

1. Finish your degree at Houston Community College
2. Complete your application and transfer to LU through [applytexas.org](https://applytexas.org)
3. Finish your Industrial Engineering degree on campus or online with minimal travel to campus\*



OFFICE OF ADMISSIONS & RECRUITMENT  
**LAMAR UNIVERSITY**



/lamaruadmissions  
@lamaruadmissions

**PLANAVISITTOCAMPUS** (409) 880-8316

and take a virtual tour [lamar.edu/visit](https://lamar.edu/visit)

Lamar University is an equal opportunity/affirmative action educational institution.