



**LAMAR UNIVERSITY**  
MEMBER THE TEXAS STATE UNIVERSITY SYSTEM™

**COURSES  
AVAILABLE  
ONLINE OR  
ON CAMPUS**

**BACHELOR OF SCIENCE  
ELECTRICAL ENGINEERING**



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

**Your Future**

The Lamar University Bachelor of Science Degree in Electrical Engineering focuses on the design and development of technology that controls and manages electrons and photons, or simply, electricity and light. You can develop careers in many different industries from telecommunications and electronics to aerospace and automotive as well as manufacturing of all kinds.

Lamar University ensures electrical engineering graduates are prepared for a career in automatic controls, bioelectronics, digital systems, electromagnetics, analog electronics, power and energy systems and communications and signal processing. With dedicated faculty and staff, you will be prepared to enter the workforce upon graduation.

**Career Opportunities**

- Automatic Controls
- Bioelectronics
- Digital Systems
- Electromagnetics
- Analog Electronics
- Power and Energy Systems
- Communications Processing

**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.A.S. ELECTRICAL ENGINEERING

### FALL SEMESTER

EDUC 1300 - Learning Framework  
MATH 2413 - Calculus I  
ENGL 1301 - English Composition I  
ENGR 1201 - Intro to Engineering  
GOVT 2306 - TX State and Local Govt

### SPRING SEMESTER

MATH 2414 - Calculus II  
PHYS 2425 - Engineering Physics I  
ENGL 1302 - English Composition II  
GOVT 2305 - US Government  
PHIL 2306 - Ethics

### FALL SEMESTER

MATH 2415 - Calculus III  
PHYS 2426 - Engineering Physics II  
HIST 1302 - US History II  
COSC 1320 - C++ Programming

### SPRING SEMESTER

MATH 2420 - Differential Equations  
ENGR 2405 - Electircal Circuits I  
ECON 2301 - Principles of Microeconomics  
HIST 1302 - US History II

### SUMMER AT ACC

ELEN 3101 - Advanced EE Lab  
ELEN 3328 - Quantum Mechanics 4 EEs  
ELEN 3431 - Digital Logic Design  
MATH 2318 - Linear Algebra

## B.S. ELECTRICAL ENGINEERING

### FALL SEMESTER

ELEN 3312 - Circuits II  
ELEN 3371 - Electromagnetics  
ELEN 3421 - Electronics  
ELEN 4486 - Microcomputers I

### SPRING SEMESTER

ELEN 3313 - Signals & Systems  
ELEN 3322 - Electronics II  
ELEN 3381 - Electrical II  
ELEN 3381 - Electrical Analysis  
ELEN 3441 - Fund. Power Engr.  
ELEN 4387 - Microcomputers II

### SUMMER AT ACC IF APPLICABLE

CHEM 1311 - General Chemistry I  
CHEM 1111 - General Chemistry I Lab

### FALL SEMESTER

ELEN 4306 - Senior Proj Design I  
ELEN 4351 - Conrol Engineering  
ELEN Elective  
ELEN Elective

### SPRING SEMESTER

ELEN 4307 - Sen Proj Design II  
Creative Arts - Core Elective  
COMM core  
MATH 3370 - Intro to theory of Statistical Inference



**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 Austin Community College
2. Complete your application and transfer to Lamar University through ApplyTexas.org



OFFICE OF ADMISSIONS & RECRUITMENT  
**LAMAR UNIVERSITY**



/lamaruadmissions  
@lamaruadmissions

**PLANAVISITTOCAMPUS** (409) 880-8316

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