



LAMAR UNIVERSITY
MEMBER THE TEXAS STATE UNIVERSITY SYSTEM™

**COURSES
AVAILABLE
ONLINE OR
ON CAMPUS**

**BACHELOR OF SCIENCE
ELECTRICAL ENGINEERING**



**YOUR
Moment
IS HERE**

START WITH HOUSTON 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?
TRANSFER ACADEMIC EXCELLENCE SCHOLARSHIP*		
\$2,000	3.5-4.0	YES
\$1,500	3.0-3.49	YES
PHI THETA KAPPA (PTK) SCHOLARSHIP		
\$1,000	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
- Complete the General Application

PRIORITY DEADLINES

Fall – July 1
Spring – December 1

A.S. ENGINEERING

FALL SEMESTER

HIST - Am History Elective
ENGL 1301 - Composition I
MATH 2413 - Calculus I
CHEM 1311 - General Chemistry I
CHEM 1111 - Gen. Chemistry I Lab
ENGR 1201 - Intro to Engineering

SPRING SEMESTER

ENGR 1204 - Engineering Graphics I
ENGL 2311/1302 - Tech & Business Writing
MATH 2414 - Calculus II
PHYS 2325 - University Physics I Lab
GOVT 2305/2306 - Texas or Federal Government

FALL SEMESTER

ENGR 2304 - Programming for Eng.
ECON 2301/2302 - Principles of Microeconomics
ENGR 2301 - Eng. Mechanics - Statics
MATH 2415 - Calculus III
PHYS 2326 - University Physics II
PHYS 2126 - Univ. Physics II Lab

SPRING SEMESTER

ENGR 2405 - Electrical Circuits I
MATH 2320 - Differential Equations
ENGR Elect
Cr. Arts Elect
Lang, Phil, Cult

SUMMER AT HCC

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

FALL SEMESTER

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

SPRING SEMESTER

ELEN 4307 - Sen Proj Design II
HIST 1302 - US History II
POLS 2302 - Intro American Gov II
Comm Elective
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 Houston Community College
2. Complete your application and transfer to Lamar University through ApplyTexas.org



OFFICE OF ADMISSIONS & RECRUITMENT
LAMAR UNIVERSITY



/lamaruadmissions
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PLANAVISITTOCAMPUS (409) 880-8316

plan or take a virtual tour at lamar.edu/visit