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

<table>
<thead>
<tr>
<th>Scholarship</th>
<th>Amount/Year</th>
<th>Transferable GPA</th>
<th>Renewable?</th>
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<tbody>
<tr>
<td>TRANSFER ACADEMIC EXCELLENCE SCHOLARSHIP*</td>
<td>$2,000</td>
<td>3.5-4.0</td>
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<tr>
<td>PHI THETA KAPPA (PTK) SCHOLARSHIP</td>
<td>$1,500</td>
<td>3.0-3.49</td>
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<tr>
<td></td>
<td>$1,000</td>
<td>3.0-3.49</td>
<td>YES</td>
</tr>
</tbody>
</table>

*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
I’m ready to apply. What’s next?  
You’ve made a great choice!  
Follow the steps below to becoming a Cardinal.

REQUIRED STEPS

1. Finish your degree at Austin Community College
2. Complete your application and transfer to Lamar University through ApplyTexas.org

HOW TO APPLY

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

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

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