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 Type</th>
<th>Amount/Year</th>
<th>Transferable GPA</th>
<th>Renewable?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transfer Academic Excellence Scholarship*</td>
<td>$2,000</td>
<td>3.5-4.0</td>
<td>YES</td>
</tr>
<tr>
<td>$1,500</td>
<td>3.0-3.49</td>
<td>YES</td>
<td></td>
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<tr>
<td>PHI Theta Kappa (PTK) Scholarship</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
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

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

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

FALL SEMESTER
- ELEN 4306 - Senior Proj Design I
- ELEN 4351 - Conrol 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

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