

COLLEGE OF ENGINEERING

PHILLIP M. DRAYER DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING



YOUR FUTURE IN ELECTRICAL ENGINEERING

Electrical engineers build the present and shape the future. They design, build, test, control, maintain, protect & optimize the performance of the electrical systems and devices. Electrical engineering is a broad field that encompasses various sub-disciplines, and electrical engineers work with a wide range of technologies.

The key aspects of the role of an electrical engineer include, but not limited to, power generation and transmission, electric and electronic devices and circuits, control and instrumentation, communication systems and devices, green and renewable energy, smart and electric cars, signal processing and microchips. Electrical engineers work in various industries, including but not limited to:

- Aerospace + Defense
- Analog Electronics
- Artificial Intelligence
- Automatic Control
- Automotive
- Bioelectronics
- Consumer Electronics
- Control & Robotics
- Cyber Security
- Digital Electronics
- Electromagnetics
- Energy
- Healthcare
- Instrumentation
- Manufacturing
- Power & Energy
- Renewable Energy
- Semiconductors
- Signal Processors
- Telecommunications
- Transportation
- Video Processing

The Phillip M. Drayer Department of Electrical and Computer Engineering gives students the resources for success.

- The College of Engineering and their departments award **\$2 million in scholarships** each year for new, continuing and transfer students
- Internship and co-op opportunities for students to **gain work experience** before graduation
- Undergraduate research opportunities
- State-of-the-art laboratories
- Bi-annual **career fairs** and regular **industry workshops** exclusive to College of Engineering students
- University and college academic services, career coaching, professional development and alumni relations

DEGREES & PROGRAMS

- Bachelor of Science **B.S.** (*Online or On Campus*)
- 5-Year Dual **B.S.** in Electrical & Computer Engineering
- Master of Engineering **M.E.**
- Master of Engineering Science **M.E.S.**
- Doctor of Engineering **D.E.**

Electrical Engineering Salaries

Entry-Level Salary: **\$73,717**

Median Annual Salary: **\$106,950**

Highest 10%: **\$172,050**

PLAN A VISIT TO CAMPUS

and take a virtual tour

LAMAR.EDU/TOUR
(409) 880-8316



I'M READY TO APPLY. WHAT'S NEXT?

You've made a great choice.
You can easily apply by visiting

LAMAR.EDU/ADMISSIONS.



BUILD YOUR NETWORK

Build your professional network and make friends in our student organizations. We have professional, social and honor societies including but not limited to:

- Institute of Electrical and Electronics Engineers (IEEE)
- Engineers Without Borders
- Eta Kappa Nu
- National Society of Black Engineers
- Society of Women Engineers
- Tau Beta Pi
- Society of Hispanic Professional Engineers
- Cardinal Energy Club
- Society of Hispanic Professional Engineers
- Robotic Cardinals

Why Choose Electrical Engineering?

- Projected to grow 9% over the next 10 years
- Mid-Career 10% Salary Increase
- The bachelor's degree program in electrical engineering has been accredited by the Engineering Accreditation Commission of ABET

OUR GRADS GET HIRED



- | | |
|------------------------|---------------------------------|
| • Arkema | • Lockheed Martin |
| • BASF Corp. | • Motiva Enterprises |
| • Bechtel | • Olin Corporation |
| • CenterPoint | • Richard Industrial Group |
| • Cheniere Energy Inc. | • Samsung |
| • Covestro | • Scallon Controls, Inc. |
| • Crest Industries | • Shell |
| • DuPont | • Tesla |
| • Entergy | • Texas Instruments |
| • Exxon Mobil | • Total Petrochemicals USA Inc. |
| • Huntsman | • Valero |
| • Koch Industries | • WestRock |

CONTACT US

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