

ELECTRICAL ENGINEERING

A degree in Engineering, Architecture or Technology provides the knowledge and tools for problem solving. Be aware that the actual work that engineers perform will vary depending on the company and industry in which they work. Some engineers work in a research or development capacity, while others serve in management roles. The work environment also varies, including outdoor work, work in an office setting, or a combination.

CAREER PATHS IN ELECTRICAL ENGINEERING

- Applications Engineer
- Associate Engineer
- AST Engineer
- Control and Instrumentation Engineer
- Critical Skills Program
- Electrical Engineer
- Electro-Physics Engineer
- Engineer Associate
- Entry Level Engineer
- Hardware Engineer
- Pipeline Employee
- Protection and Control Engineer
- Software Engineer
- Technology Services Management Trainee



WHO HIRES ELECTRICAL ENGINEERING MAJORS

- American Electric Power
- The Boeing Company
- ExxonMobil
- Frontier Electronic Systems Corp.
- L-3 Communications
- Honeywell
- NASA

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ELECTRICAL ENGINEERING

The program is centered around five areas: communications, controls and signal processing; computers; lasers and photonics; electronics and mixed signal VLSI; and power. Within these areas, students are given various opportunities that accommodate their goals and allow them to thrive within Electrical Engineering.

TIPS FOR SUCCESS IN ELECTRICAL ENGINEERING

- To do consulting work as an Electrical Engineer, the FE exam must be passed to practice as a Professional Engineer (PE)
- Obtain a Co-Op or Internship early in your career, as it will allow you to discover your career interests while also serving as a great resume builder
- Getting to know your professors can benefit you in the long run by providing you Teaching or Research Assistant opportunities
- If you are interested in learning more about robotics, consider joining the Mercury Robotics Club; they develop a new robot for competition each year from scratch

FOR MORE INFORMATION ABOUT ELECTRICAL ENGINEERING AT OSU

Prospective Student Services:
(405) 744-5276

Career Services:
(405) 744-3858

ADDITIONAL RESOURCES ABOUT ELECTRICAL ENGINEERING CAREERS

Electrical Engineering at OSU:
<http://www.ece.okstate.edu/>

Institute of Electrical and Electronics Engineers
OSU Chapter:
<http://www.ieee.okstate.edu/>

Institute of Electrical and Electronics Engineers:
<http://www.ieee.org/>

OSU Electrical Engineering Honor Society Eta
Kappa Nu Omega Chapter:
<http://hkn.okstate.edu/>

STARTING AVERAGE SALARIES

(Data gathered from OSU CEAT graduates)

2013 – \$67,500

2014 – \$63,642

2015 – \$68,500

MARKETABLE SKILLS OF ELECTRICAL ENGINEERING GRADUATES

- Analytical and Critical Thinking
- Design and Development
- Knowledge of Power and Control Systems
- Operation Monitoring
- Production and Testing
- Project Planning and Presentation
- System Communication Experience
- Technical Writing