

WHAT TO DO WITH A DEGREE IN...

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
- Consultant
- Control and Instrumentation Engineer
- Design Engineer
- Electrical Engineer
- Electrical Design Engineer
- Engineering Leadership Program
- Field Engineer
- Information Technology
- Machine Controls Product Design Engineer
- Master Programmer
- Mobile Software Engineer
- Program/Project Manager
- R&D Engineer
- Reliability Engineer
- Software Engineer
- System Engineer
- TPS Repair
- Transmission Planning Engineer IV



WHO HIRES ELECTRICAL ENGINEERING MAJORS

- | | |
|---------------------------------|--------------------------|
| • ABB | • Gyrodata |
| • Allied Engineering Group | • Inova Geophysical |
| • American Electric Power (AEP) | • John Deere |
| • Electrical Consultants Inc. | • Level 3 Communications |
| • Phillips 66 | • Tinker Air Force Base |

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ELECTRICAL ENGINEERING

The program is centered around five primary thrust areas: communications, controls, and signal processing; computer engineering; lasers and photonics; electronics and mixed signal VLSI; and power. There are opportunities within these areas to accommodate the goals of almost any student interested in the various specializations within Electrical Engineering.

TIPS FOR SUCCESS IN ELECTRICAL ENGINEERING

- If you ever want to do engineering consulting work, you will have to pass the FE test to become a professional engineer
- Work in teams as much as you can. When you work alone and get stuck on something, you may be tempted to give up, where in a group someone can usually find a way past the difficulty. Working with others may also show you better ways to solve problems than the way you used.
- Obtain a co-op or internship experience as an opportunity to discover career interests and to serve as a great resume builder
- Show your professor that you care by going to their office hours

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)

2011 – \$54,041

2012 – \$64,646

2013 – \$67,500

MARKETABLE SKILLS OF ELECTRICAL ENGINEERING GRADUATES

- Critical Thinking
- Reading Comprehension
- Operation Monitoring
- Active Listening
- Design, develop, test and production skills
- Construction skills
- Project planning
- Knowledge of power and control systems