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.

**SKILLS**

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.

**CAREER PATHS**

APPLICATIONS ENGINEER
AST ENGINEER
CONTROL AND INSTRUMENTATION ENGINEER
ELECTRICAL ENGINEER
ELECTRO-PHYSICS 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
Holly Frontier
Sandia National Labs
Allied Engineering Group
American Castings
Valero Energy Corp.
STARTING AVERAGE SALARIES

(DATA GATHERED FROM OSU CEAT GRADUATES)

- 2016—$64,420
- 2017—$67,200
- 2018—$67,800

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

GET INVOLVED ON CAMPUS

CEAT Student Council
Institute of Electrical and Electronics Engineers
Eta Kappa Nu- Electrical Engineering Honor Society
CEAT Ambassadors

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/

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

For More Information About Electrical Engineering at OSU:
Prospective Student Services:
(405) 744-5276
Career Services:
(405) 744-3858