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 as an Electrical Engineer in industry.

**CAREER PATHS**

AIRCRAFT SYSTEMS ENGINEER  
APPLICATIONS ENGINEER  
ASSISTANT ENGINEER  
AUDIO VISUAL ANALYST  
CONTROL & INSTRUMENTATION ENGINEER  
DESIGN ENGINEER  
ELECTRICAL DESIGN ENGINEER  
ELECTRICAL ENGINEER  
ELECTRO-PHYSICS ENGINEER  
GLOBAL PROPULSION SYSTEMS TRACK ENG.  
HARDWARE ENGINEER  
MANAGEMENT TRAINEE  
PIPELINE EMPLOYEE  
PROTECTION AND CONTROL ENGINEER  
REACH ELECTRICAL ENGINEER  
ROTATIONAL ENGINEER  
SOFTWARE ENGINEER  
TECHNOLOGY SERVICES  
TELECOM ENGINEER

**WHO HIRES ELECTRICAL ENGINEERING MAJORS**

Allied Engineering Group  
American Castings  
American Electric Power  
The Boeing Company  
ESDC Engineering  
ExxonMobil  
Frontier Electronic Systems Corp.  
Georgia-Pacific  
Holly Frontier  
Honeywell  
L-3 Communications  
NASA  
Sandia National Labs  
Substitute Electronics  
Tinker AFB  
Valero Energy Corp.
STARTING AVERAGE SALARIES

(DATA GATHERED FROM OSU CEAT GRADUATES)

2017 - $67,200
2018 - $67,800
2019 - $66,820

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

Eta Kappa Nu - Electrical Engineering Honor Society
Institute of Electrical and Electronics Engineers (IEEE)

Additional Resources About Electrical Engineering Careers:
ece.okstate.edu
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