

ELECTRICAL AND ELECTRONICS ENGINEERS

NOC 21310

Research, design, construct and test electrical and electronic components and systems. Employers include utilities, manufacturers, consulting firms and government.



3-YEAR OUTLOOK



Moderate

3-YEAR JOB OPENINGS

49

MEDIAN HOURLY WAGE

$50.00

$31.73 LOW — $73.08 HIGH

TYPICALLY REQUIRED



University

EMPLOYED

762

AVERAGE SALARY

$106,400



EMPLOYMENT BY INDUSTRY

33.9%	Professional, scientific and technical services
28.6%	Utilities
17.9%	Manufacturing
19.6%	All Other Industries



EMPLOYMENT BY AGE

4.5%	15-24
28.6%	25-34
23.2%	35-44
22.3%	45-54
11.6%	55-64
9.8%	65+

ALSO KNOWN AS

- Avionics Engineer
- Control Systems Engineer
- Electrical Design Engineer
- Electrical Distribution Planning Engineer
- Electrical Engineer
- Electrical Network Engineer

MAIN DUTIES:

This group performs some or all of the following duties:

- Conduct research into the feasibility, design, operation and performance of electrical generation and distribution networks, electrical machinery and components and electronic communications, instrumentation and control systems, equipment, and components
- Prepare material cost and timing estimates, reports and design specifications for electrical and electronic systems and equipment
- Design electrical and electronic circuits, components, systems and equipment
- Conduct micro or nanodevices simulations, characterization, process modeling and integration in the development of new electronic devices and products.

