



# 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

**88**

## MEDIAN HOURLY WAGE

**\$48.08**

\$18.28 \$65.00  
LOW HIGH

## TYPICALLY REQUIRED



University

## EMPLOYED

**609**

## AVERAGE SALARY

**\$106,400**

The information presented is based on data for New Brunswick. To learn more about the data provided, visit [www.nbjobs.ca/occupations](http://www.nbjobs.ca/occupations).



### EMPLOYMENT BY INDUSTRY

|              |   |
|--------------|---|
| <b>33.9%</b> | Professional, scientific and technical services |
| <b>28.6%</b> | Utilities                                       |
| <b>17.9%</b> | Manufacturing                                   |
| <b>19.6%</b> | All Other Industries                            |



### EMPLOYMENT BY AGE

|              |       |
|--------------|-------|
| <b>4.5%</b>  | 15-24 |
| <b>28.6%</b> | 25-34 |
| <b>23.2%</b> | 35-44 |
| <b>22.3%</b> | 45-54 |
| <b>11.6%</b> | 55-64 |
| <b>9.8%</b>  | 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.



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