

# Electrician - Construction & Maintenance

Certificate of Qualification 309A

*"I enjoy my job because I get to learn, install and put technology into action ahead of what comes to market. We work on the cutting edge."*

An Electrician - Construction & Maintenance plans, assembles, connects, installs, repairs, inspects, tests, verifies, and maintains electrical systems in various settings (i.e. residential, commercial, industrial). Electrical systems include heating, lighting, power, communications, security, renewable energy & storage systems. They do complex, difficult work in all kinds of conditions.

**Unionized  
Journeyman  
Wage Rate:  
\$48.76/Hr  
(2022)**



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Analytical thinking



Strong communication & Mathematics



Team Player

## Entrance Requirements

- Senior English, math and physics credits from Ontario curriculum
- High school transcript or high school diploma (equivalent GED)

## Did You Know?

Advances in technology have impacted the electrical trade more than any other trade. There is an increasing demand for well-trained skilled electricians.

## Key Skills & Attributes

- Numeracy, reading, communication & problem-solving skills
- Willingness to work in the outdoors & at heights
- Take your responsibilities seriously
- Desire to work with your hands
- Love of problem solving

## Apprenticeship Program

1800 hour pre-apprenticeship, followed by 8160 hour on-the-job training, supplemented by one 8-week, and two 10-week in-class technical training sessions.

## Responsibilities

- Lay out, assemble, install, repair, maintain, connect or test electrical fixtures, apparatus, control equipment & wiring systems
- Plan proposed installations and install panel boards, switch boxes, pull boxes and other related electrical devices
- Measure, cut, thread, bend, assemble and install conduits and other types of electrical conductor enclosures that connect panels, boxes, outlets & other related electrical devices
- Install brackets, hangers or equipment for supporting electrical equipment
- Install or pull electrical conductors
- Prepare conductors for splicing of electrical connections, securing said connections, & reinsulating and protecting conductor connections

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**Construction Training & Apprenticeship Ontario**