

# In-Demand Career: **Electrician**

(NOC 72200)



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## Role Overview

Electricians install, maintain, and repair electrical systems in residential, commercial, and industrial settings. They ensure systems meet safety standards, code requirements, and efficiency goals—often supporting the shift to energy-efficient buildings and equipment.

## Why This Role Matters

As Innisfil grows, electricians are in high demand across residential developments, public infrastructure upgrades, and the commercial/industrial sector. They are also crucial to the clean-tech transition, supporting the installation of EV chargers, solar power systems, and energy retrofits.

## SECTOR: Clean-Tech Supply Chain & Advanced Manufacturing

Electricians play a crucial role in delivering the electrical backbone of clean technologies, including solar panels, HVAC upgrades, and energy-efficient equipment. They're also essential to industrial automation and the integration of smart systems.

## Key Skills & Capabilities

- Electrical system installation and troubleshooting
- Code compliance and safety awareness
- Wiring, conduit bending, control systems
- Renewable energy and smart home system knowledge
- Blueprint reading and technical documentation
- EV charging system installation (asset)

## Wage Range

\$28 to \$45 per hour, depending on specialization, sector, and experience.

## Education & Training Pathways

A combination of in-class learning and hands-on apprenticeship is required. Electricians must be certified and may specialize in construction, maintenance, or industrial streams.

### Local Program Spotlight:

**Georgian College – Electrical Techniques** Prepares students for entry-level roles or apprenticeship programs. Includes electrical code, blueprint reading, and installation practice.

**Apprenticeship Program – Ontario College of Trades** Involves 9,000 hours of combined training, ending with the Red Seal certification exam.

## Developing the Talent Pipeline

- **Youth apprenticeship** programs in high school
- **Union or employer-sponsored apprenticeships**
- **Continued professional development** through electrical associations
- **Licensing support for Red Seal electricians**

## Career Progression Opportunities

- Journeyman Electrician
- Master Electrician
- Project Supervisor or Electrical Foreman
- Electrical Estimator or Inspector
- Renewable Energy Technician

## Examples of Local Employers

- Local electrical contractors
- Facilities managers



## Emerging Trends

**Growing demand for electricians with skills in renewable energy**, particularly in solar panel and EV charger installation.

**Building electrification retrofits** are creating new opportunities in residential and commercial upgrades.

**Smart building and automation systems** require electricians trained in digital controls and energy monitoring.



### Innisfil Economic Development

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