

Description

- Plan and prepare for installation by reading and interpreting job reference material, selecting hand/power tools and testing equipment, performing site inspections, selecting/verifying cable pathways/spaces and performing trade calculations
- Perform cable installations inside and outside plants by laying out and creating openings for cable pathways, installing pulling medium in cable pathways, laying out and installing cable and supports, inspecting and preparing cables for installation, and installing fibre backbone and copper cables, horizontal cables and firestop systems
- Terminate/splice cables by installing mounting equipment, fibre and copper terminating and splicing components, electrical protection equipment, grounding, bonding connections/cables, cross connecting and patching cables
- Perform labelling, testing and documentation by labelling cable systems as Unshielded Twisted Pair (UTP), Shielded Twisted Pair (STP), Screened Twisted Pair (ScTP) and completing field documentation
- Perform internet-working installation by confirming networking needs and identifying, selecting, installing and testing internet-working hardware and components
- Troubleshoot cable systems/hardware by identifying and repairing UTP/STP/ScTP, coaxial cable systems, equipment connecting cables and fibre optic systems
- Perform professional business practices and effective communication with customers

Personal Qualities

- You can tolerate some repetitive work
- You may be required to work in cramped areas or at heights
- You may work outside at various times of the year and experience a range of environmental conditions
- You have the stamina to be on your feet for long periods of time
- You are safety conscious
- You are willing to keep up with technological change

Career Opportunities

- Construction firms, telecommunications carriers, electric power utilities, radio and TV/cable communications companies, wholesale trade, and electrical/electronic products companies employ network cabling specialists
- Network cabling specialists are required to keep pace with new equipment, new work specifications and ever-changing technology

Educational/Training Requirements

- The minimum entry for apprenticeship is Grade 12
- Completion of a 4,000 hour apprenticeship program is required.
- If you have completed 4,500 hours of on the job experience/training but have not completed the Apprenticeship Program you may be eligible to challenge the Certificate of Qualification

Training Availability

Trade Related Programs

Electrical Technician - Instrumentation and Control

Durham College – Whitby Campus
Whitby, ON
www.durhamcollege.ca

Apprenticeship Training

Humber College - North Campus
Toronto, ON
www.humber.ca

Potential Earnings

- Apprentices progress along an individual company's scale at a rate set by the company
- Wages range¹ from \$13.18 to \$27.66 an hour, excluding overtime, with journeypersons usually earning the higher end of the pay scale

Prospects For Employment

- Employment is expected to grow about as fast as the average for all occupations through the year 2009²

Financial Incentives

- Apprentices may be able to apply for the Tradesperson's Tools Tax Deduction

Additional Information

Toronto Sun Career Connections
www.canoe.ca/CareerConnectionNews/030528_youthforce.html

International Brotherhood of Electrical Workers
www.ibew.org

Electrical Contractors Association of Ontario
www.ecao.org/

National Occupational Classification
www5.hrsdc.gc.ca/NOC-CNP/

Apprenticeship Subject Pathways
www.edu.gov.on.ca/eng/training/apprenticeship/skills/moreinfo.html

¹ www.labourmarketinformation.ca

² www.careermatters.org