

ELECTRICIAN AND NETWORK CABLING TECHNOLOGY

Students who complete our structured Electrician and Network Cabling Technology Pre-Apprenticeship (Estimation Track) program have the advantage of diversifying their skills into two relevant areas of training.

On the Construction and Maintenance Electrician component of the program, electricians lay out, assemble, install, test, troubleshoot and repair electrical wiring, fixtures, control devices and related equipment in buildings and other structures.

On the Network Cabling component of the program, it focuses on cabling issues related to data and voice connections and provides an understanding of the industry and its worldwide standards, types of media and cabling, physical and logical networks, as well as signal transmission. Students will develop skills in reading network design documentation, part list set up and purchase, pulling and mounting cable, cable management, choosing wiring closets and patch panel installation and termination; as well as installing jacks and cable testing. Areas of study include; safety, installation and termination methods, electrical code and blueprint reading.

Program length: 42 weeks

▸ ADMISSION REQUIREMENTS

- Minimum of a Canadian high school grade 12 or equivalent, or a mature student
- Pass an entrance test administered by Herzing
- Be interviewed in detail regarding interest in the field
- Meet any additional program specific entrance requirements

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▸ COURSE LIST

– Safety	- Cabling and Safety Overview/Networking
– Electrical Theory	- Signals and Wires/Copper Media
– Installation Methods	- Fiber-Optic Media/Introduction to Cabling
– Cabling Rough-In	- Structured Cabling/Tools of the Trade
– Small Business Management	- Cabling Installation Process/Cabling Rough In
- Trim Out Phase/Finish Phase	- Fundamentals of an Estimator
- Summative and Final Evaluations	- Estimation and Take-Offs

▸ CAREER OUTLOOK

Electricians with a network cabling background have an array of technical skills that allow them to be employed in a wide range of sectors. They are employed by electrical contractors, manufacturers, wholesalers, maintenance departments of buildings and other establishments; as well as employed by telephone and other telecommunication transmission service establishments.

Student will have the skills to succeed in the following areas of the industry: Construction Electrician, Industrial Electrician, CATV Technician, Electrical Contractor, Computer IT Technician, Network Cabling Specialist Technician, Communications Cabling, Plant Maintenance Electrician.