

**JOIN A
WINNING
TEAM**



Funded by the

ATTENDING TRADE SCHOOL

Q Where do I go to attend Trade School; do I attend during the day or at night?

A Apprentices attend full day trade school courses at a local community college either through Block Release which is 5 days per week for 8 or 10 weeks or Day Release which is 1 day per week for 38 weeks.

Q Is Trade School mandatory and does post-secondary education count as an exemption from all or part of it?

A All apprentices regardless of secondary or post-secondary education are to attend Basic, Intermediate and Advanced Trade School.

Q What will I learn while I am in Trade School?

A At Trade School you will be taught all aspects of the electrical trade. Some of the components include:

- Fundamentals of Building Construction
- Electrical Code
- Print Reading and Drawing
- Electrical Theory
- Installation Methods
- Communications Systems
- Electronics
- Instrumentation
- Programmable Logic Controls
- Fire Alarm and Building Systems

TRADE SCHOOL

FINANCIAL REWARDS

One of the advantages of apprenticeship is that you are paid while you learn. The electrical trade is governed by the Ontario Apprenticeship and Tradesman's Qualification Act which sets the relative rate of pay for an electrical apprentice. The rate of pay for the first period of training is 40 percent of the journeymen rate. It increases 10 percent each period until the fifth and final period of apprenticeship when the rate is 80 percent.



Skilled people are in steady demand and are well paid in the electrical industry today. Advances in technology impact the electrical trade more than any other trade. There is an increasing demand for well trained people. Wages are generally higher in urban centres than in rural areas, and will often be better in the unionized sector than in the unorganized sector.

Earn while you learn . . .

- 40% during 1st period of on-the-job training
- 50% during 2nd period of on-the-job training
- 60% during 3rd period of on-the-job training
- 70% during 4th period of on-the-job training
- 80% during 5th period of on-the-job training

. . . of the hourly wage rate of a journeyman electrician.

AN ELECTRICIAN ...

- Plans and Initiates Projects
- Adheres to Established Safety Standards
- Installs Service to Buildings and Other Structures
- Plans and Installs Raceway Systems
- Installs new Wiring and Repairs old Wiring
- Installs Receptacles, Lighting Systems and Fixtures
- Erects and Assembles Power Generation Equipment



- Installs Supplementary Systems (i.e. Fire Alarm, Security)
- Installs and Maintains Communications Systems
- Provides Power and Controls to Motors, HVAC and other Equipment
- Installs Instrumentation and Process Control Systems
- Troubleshoots and Repairs Electrical Systems
- Establishes Temporary Power During Construction
- Installs and Repairs Traffic Signals, Outdoor Lighting, and Outdoor Power Feeders
- Supervises other Journeymen and Apprentices
- Establishes Grounding Systems



For further information regarding this rewarding career, please contact your local area industry partner as indicated below:

Electrical Contractors Association

CENTRAL ONTARIO

Tel: (519) 885-0431

Fax: (519) 885-0432

GEORGIAN BAY

Tel: (705) 737-4135

Fax: (705) 737-1765

HAMILTON

Tel: (905) 522-1070

Fax: (905) 522-2199

LONDON

Tel: (519) 268-1060

Fax: (519) 268-1061

NIAGARA PENINSULA

Tel: (905) 688-0376

Fax: (905) 688-5723

NORTHERN ONTARIO

Tel: (705) 674-1361

Fax: (705) 522-1502

OSHAWA & DISTRICT

Tel: (705) 786-2606

Fax: (705) 786-3943

OTTAWA

Tel: (613) 238-1124

Fax: (613) 238-8194

QUINTE-ST. LAWRENCE

Tel: (613) 541-0633

Fax: (613) 541-0863

SARNIA

Tel: (519) 344-7441

Fax: (519) 344-7501

THUNDER BAY

Tel: (807) 623-4174

Fax: (807) 623-4572

TORONTO JAC

Tel: (905) 882-6484

Fax: (905) 882-9757

WINDSOR

Tel: (519) 974-3411

Fax: (519) 974-9923

ECA ONTARIO

Tel: (416) 675-3226

Fax: (416) 675-7736

International Brotherhood of Electrical Workers

LU 804

Tel: (519) 742-8319

Fax: (519) 742-0583

LU 1739

Tel: (705) 734-9590

Fax: (705) 726-7218

LU 105

Tel: (905) 387-1721

Fax: (905) 679-0770

LU 120

Tel: (519) 451-0654

Fax: (519) 451-6716

LU 303

Tel: (905) 227-7303

Fax: (905) 227-5366

LU 1687

Tel: (705) 566-1687

Fax: (705) 566-5284

LU 894

Tel: (905) 623-7931

Fax: (905) 623-1091

LU 586

Tel: (613) 741-5664

Fax: (613) 741-4789

LU 115

Tel: (613) 384-2020

Fax: (613) 384-7152

LU 530

Tel: (519) 344-4154

Fax: (519) 344-9068

LU 402

Tel: (807) 623-5769

Fax: (807) 623-0305

LU 353

Tel: (416) 510-3530

Fax: (416) 510-3531

LU 773

Tel: (519) 948-2221

Fax: (519) 948-7670

IBEW, Construction Council of Ontario

Tel: (416) 674-6940

Fax: (416) 674-9541

ELECTRICAL APPRENTICESHIP



**CAREER
WITH A
FUTURE**

PARTNERS IN TRAINING



ECAO

The Electrical Contractors Association of Ontario is the management association for electrical contractors. ECAO represents 650 professional contractors and 15,000 skilled employees across the province.



IBEW

The International Brotherhood of Electrical Workers is the largest electrical union in the world. The IBEW represents workers' rights in all areas of the electrical industry.

ECAO, IBEW and the Ministry of Training, College and Universities are in partnership to provide quality training and develop a highly skilled workforce necessary to meet customer needs. The programs sponsored by ECAO/IBEW exceed the standards of the Province of Ontario.

ELECTRICAL PROGRAMS

The ECAO and IBEW offer apprenticeship and training in the following areas:

- Construction & Maintenance Electrician
- Domestic & Rural Electrician
- Power Lineman
- Network Cabling Specialist

PRE-APPRENTICESHIP

ECAO and IBEW offer an alternate entrance into the unionized electrical industry. A one-year pre-apprentice program for the trade of Construction & Maintenance Electrician is now available.

For further information contact the Joint Apprenticeship Council (JAC) in your area through one of the industry partners listed in this brochure.

APPRENTICESHIP

As one of the most established forms of education and training in the world, apprenticeship is a sound method of teaching craftsmanship and skill training. **And, it is the only way you can become an electrician.**

In the beginning you are indentured to a sponsor, usually an employer. They must agree to hire you, provide training during the term of apprenticeship, and pay you the scheduled apprenticeship rate. In apprenticeship you literally *earn while you learn*.

You in turn must satisfactorily fulfill your work obligations, attend trade school, pass examinations, and fulfill a specific number of hours of on-the-job training in order to receive your Ontario Certificate of Qualification as a journeyman electrician.

Electrical apprenticeship training is divided into five periods of 1800 hours each. As well, you will be required to spend 28 weeks at Trade School for basic, intermediate and advanced training sessions in Trade Theory, Shop Practice and related topics. Trade school is offered by the Community College system in most urban centres in Ontario.



Some areas of the province also offer supplementary training over and above that delivered at Trade School and individual contractors may promote further specific training pertaining to their business requirements.



APPRENTICESHIP

EDUCATIONAL REQUIREMENTS

The thirteen ECAO/IBEW areas across the province of Ontario have educational requirements that exceed the minimum currently required by legislation. These requirements may vary slightly from area to area. Generally, candidates are required to have completed:

Ontario Secondary School Diploma

(30 credits at general level)

Subject requirements will vary from area to area and may include some or all of the following:

- ENGLISH
- MATHEMATICS
- CHEMISTRY
- PHYSICS
- ELECTRICAL/ELECTRONICS

Candidates may also be required to successfully complete an aptitude test and undergo a selection interview.

For more information contact the area offices listed in this brochure.

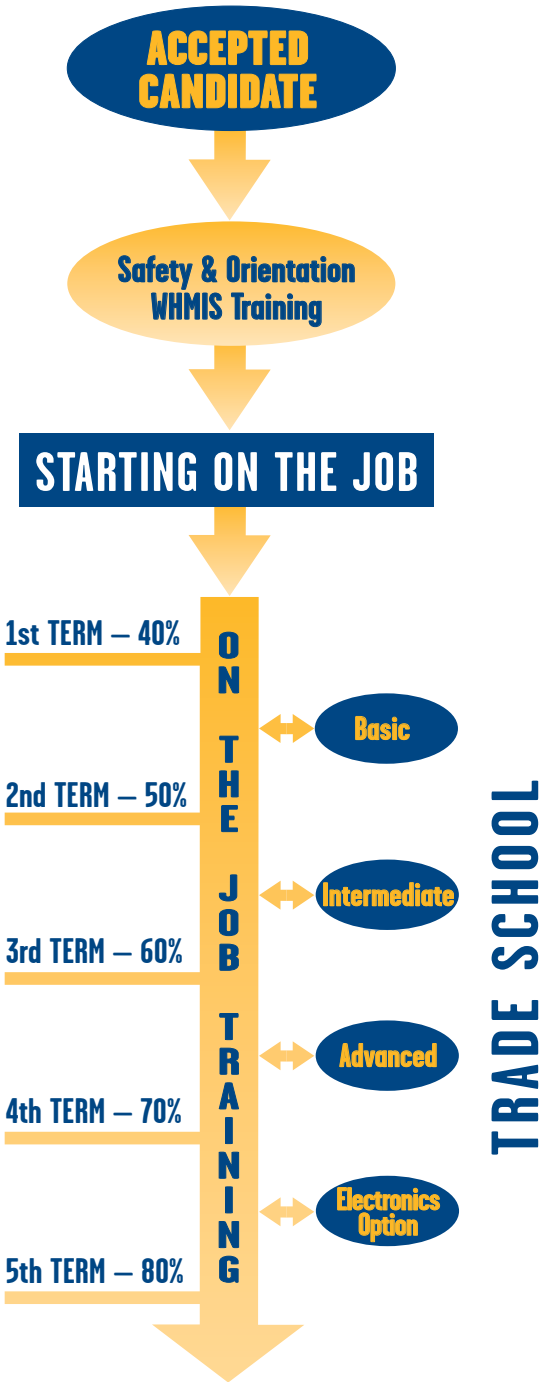
JOURNEYMAN UPGRADING

Once you have successfully completed your apprenticeship and become a journeyman electrician, ECAO/IBEW offers further upgrading and specialty training. Some of the courses available include:

- Fire Alarm Certification
- Communications Cabling
- Programmable Logic Controllers
- Electrical Safety Code
- Estimating
- Motor Controls
- Optical Fibre
- Computer Sciences
- Electrical Project Supervision



PATHWAY TO CERTIFICATION



CERTIFICATION OF QUALIFICATION
Interprovincial Red Seal Endorsement