

Fleming College

Electrician - Construction & Maintenance Apprenticeship (Basic - Level 1)

Apprenticeship (8 weeks)

Today's electricians are working with cutting edge technology such as programmable logic controls (PLCs), sophisticated fire alarm systems, robotics, and assisting in setting up "smart house" systems. Electricians provide homeowners, businesses and industries with the means to access electricity, while ensuring people's safety and providing a higher quality of life.

Program Highlights

In Fleming's Electrician -- Construction and Maintenance 309A Apprenticeship program, you will develop trade related skills including:

- » project electrical layout
- » system installations
- » repair and maintenance
- » connecting and testing of electrical devices, apparatus, control equipment, wiring
- » how to work with alarm communication, lighting, heating and power and control systems and motion control

Why Choose Fleming

The instructors for Fleming's Electrician Apprenticeship program are dedicated and fully-qualified tradespeople. That means you will be learning from people who have "been there", or continue to work in the trade. Your theoretical classes are supplemented by hands-on training. Your instructors will be there to answer your questions and troubleshoot, and to facilitate your learning. Fleming has an excellent reputation in the trade and with trade unions for producing well-qualified technicians.

Is this You?

Success as an electrician starts with your interest in how things work, and learning how you can provide customers with safe, helpful means to access power and electricity. Besides this key interest, it is helpful if you have, or are willing to develop the following:

- » attention to detail and dedication to quality
- » a strong customer service ethic
- » excellent problem-solving skills
- » willingness to learn on the job/continuous learning

We'll help you to graduate as a fully qualified, competent electrician--and prepare you for trade exams.

Career Opportunities

As an electrician working for an industrial or institutional company, you will probably have your hours and duties laid out for you. And there's a real sense of job security in this type of position. If you choose to work independently, or as part of a group providing electrical or related services, you will be able to decide which projects you want to pursue, when you want to work and set your own pace. Regardless of your choice, there are plenty of opportunities. If you are willing to relocate to travel for work, your opportunities will be even greater.

Minimum Admission Requirements

Ontario Secondary School Certificate (Grade 10) is required to be considered for this apprenticeship.

Courses and Descriptions

Semester 1

Canadian Electrical Code - Level I	ELCT 32	Hours: 32
Electrical Theory - Level I	ELCT 27	Hours: 64
Electronics - Level I	ELCT 13	Hours: 40
Installation Methods - Level I	ELCT 22	Hours: 48
Instrumentation - Level I	ELCT 35	Hours: 32
Prints - Level I	ELCT 25	Hours: 24

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