

**ELECTRONICS SERVICE TECHNICIAN**  
**(Household and Business Equipment)**  
**(A.C.A., non-restricted certified trade)**

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**WORK DESCRIPTION**

*What would I be doing?*

Electronics Service Technicians perform service and repairs on household and business electronic equipment:

- install, maintain, and repair: televisions, radios, video cassette recorders, stereo equipment, photocopiers, and computers
- inspect and test electronic equipment using multimeters, circuit testers, oscilloscopes, logic probes and other electronic tools and testers
- diagnose and locate faults in circuits equipment, and components
- follow manual schematics to repair and replace components
- use soldering and other hand and power tools

In general, Electronic Service Technicians work days. Some may work shifts. Electricians must pay close attention to safety but the nature of work is not inherently hazardous. Electronics Technicians work primarily indoors but some components of installation involve outdoors.

**PLACE OF WORK**

*Who needs Electronics Service Technicians?*

- electronics service establishments

- retail and wholesale distributors
- within service departments of manufacturing companies
- large institutions such as school boards
- some are self employed

**CONDITIONS OF WORK**

**An Electronics Service Technician is a non-restricted certified trade.**

A person does not have to have a valid Certificate of Qualification to work in the trade but registration as an apprentice is recommended. An apprentice **may** be paid wages.

**SALARIES/WAGES**

The salary depends on the employer, years of experience, and level of training. In unionized places the wages and conditions of work are negotiated collectively.

***In the Elgin, Middlesex and Oxford area, Electronics Service Technicians can earn \$ 11.69 - \$ 17.70 per hour, averaging \$ 16.17 per hour.***

(Over)

## **PROSPECTS of EMPLOYMENT in the Elgin, Middlesex and Oxford area**

### **RATING: good**

With the growing use of computerized electronics in household appliances and business equipment, this should ensure a steady growth in this occupation.

## **APPRENTICESHIP IN THE ELECTRONICS SERVICE TECHNICIAN TRADE**

- takes about 4 years or 8 000 h, including 720 h of in-school training; prior education and experience may shorten the time to complete all the competencies
- a Certificate of Apprenticeship is issued upon completion of apprenticeship
- must pass the Certificate of Qualification exam to receive a Certificate of Qualification with journeyman status
- Interprovincial Trade Certification (Red Seal) is available.

### **In-School Education:**

An OYAP student must be 16 years old and completed Grade 10 (or equivalent).

Otherwise, all apprenticeship applicants must successfully complete Grade 12 (OSSD) or equivalent. The following competencies are valuable:

English                      *Communication and*  
Mathematics                *problem-solving skills*  
Physics

Design Technology, Electronics

OYAP students must be full-time students in high school and those who obtain apprenticeships will complete the apprenticeship curriculum in college or an approved Training Delivery Agent.

*Specific skills learned in school are:  
safety, trade calculations, manual schematics and installations, estimating, hand and power tools, trade communication, electrical-electronic-theory, installation*

*methods, instrumentation, maintenance, control systems, power distribution, multimeters and oscilloscopes.*

### **On the Job Training**

- As a high school Cooperative Education credit (towards O.S.S.D.), learning is connected to one of the school subjects.
- The apprentices must follow a program in the **Apprenticeship Training Standards** book that is given to them in the workplace when they register. As each competency is achieved the employer signs it off.

## **OPPORTUNITY TO GROW**

A Certificate as a journeyman is not required to start working in the electronics service trade but a registration as an apprentice is recommended. After becoming a journeyman an Electronics Service Technician may:

- become a foreperson or supervisor
- start own business
- work in related areas or occupations

## **RELATED OCCUPATIONS**

- Aircraft Instrument Technician
- Technical Sales Specialist
- Instrumentation Technician

## **CONTACT INFORMATION**

*Whom should I call?*

School Guidance/Co-Op Office

Apprenticeship Office            519 675 7788

London:                                1 800 265 1050

Apprenticeship web: [www.edu.gov.on.ca](http://www.edu.gov.on.ca)

EMOLTB web site: [www.localboard.on.ca](http://www.localboard.on.ca)

Training Hotline:                    1 800 387 5656

Union: