

SKILLS TRANSFERABILITY

# Electronic Assembler to Electronic Mechanic

**Are you an electronic assembler, fabricator, inspector, or tester?  
Are you looking for a new employment opportunity?**

You have skills and experience that can provide a jumping-off-point to a career as an electrical mechanics

Take a look at the information below to see how you could leverage your skills and, with some additional training, transition into this growing occupation.



**Electronic Assemblers,  
Fabricators, Inspectors and Testers**

**Electronic Mechanics**

OVERVIEW

**Electric assemblers and fabricators mount, secure, connect and adjust parts and components in electrical systems.**

**They are employed in electronic manufacturing plants.**

**Electronic mechanics maintain, test, and build, and repair electric motors, transformers, and other electrical apparatus**

**They are employed by independent electrical repair shops, service shops of electrical manufacturers, and maintenance departments of manufacturing companies**



### Electronic Assemblers, Fabricators, Inspectors and Testers

### Electronic Mechanics

#### EXAMPLE JOB TITLES

- Capacitor Assembler
- Circuit Board Assembler
- Component Inserting Machine Operator

- Coil Winder and Repairer
- Electric Motor Systems Technician
- Transformer Repairer
- Industrial Motor Winder-Repairer

#### EMPLOYMENT REQUIREMENTS

- Completion of secondary school is usually required
- On-the-job training is usually provided
- Testers may require post-secondary courses in basic electronic theory

- Completion of secondary school and training courses is usually required
- Four-year apprenticeship program or combination of relevant work experience required for (voluntary) trade certification

#### EARNINGS

Across Alberta, average earnings for *Electronics assemblers, fabricators, inspectors, and testers* range from:

**\$20.21 to \$29.10**  
per hour ([Job Bank](#))



Across Alberta, average earnings for *Electronic mechanics* range from:

**\$29.83 to \$37.65**  
per hour ([Job Bank](#))

#### INDUSTRIES

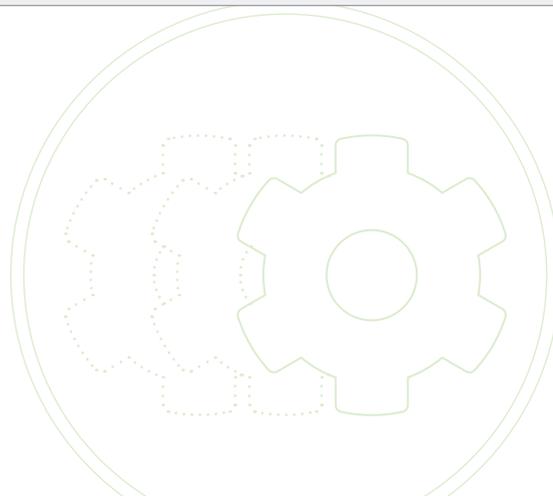
- Manufacturing
- Professional, Scientific and Technical Services

- Other Services
- Wholesale Trade
- Utilities
- Manufacturing
- Public Administration

#### NATIONAL OCCUPATIONAL CLASSIFICATION

**NOC 9523:** *Electronics assemblers, fabricators, inspectors and testers*

**NOC 7333:** *Electrical mechanics*



## Transferable Skills



Both Electronic assemblers and fabricators and Electrical mechanics:

- read and interpret schematic drawings
- assemble electrical parts
- adjust, repair or replace electrical or electronic components
- inspect or test wiring installations, assemblies or circuits

## Skills Gap



Electronic mechanics also:

- inspect and test equipment to locate damage or worn parts and diagnose malfunctions
- repair and rebuild defective mechanical parts in electric motors and related equipment
- verify and adjust alignments and dimensions of parts
- set machinery for proper performance, using computers

## Employment Outlook

**Approximately 5,700 job openings** are forecasted for *Other mechanics and related repairers* across Canada over the period 2022-2028 (Canadian Occupational Projection System).

The employment outlook for *Electrical mechanics* for the 2022-2025 period is **FAIR** in Alberta (Job Bank).

**Certification is not required for electrical mechanics in Alberta. Additional training is required for electronic assemblers seeking to become electrical mechanics.**

Training providers in Alberta include:



**Southern Alberta Institute of Technology:**

<https://www.sait.ca/apprenticeships-and-trades/apprenticeships-and-pre-employment-programs/electric-motor-systems-technician>



## Do you want to learn more about Electrical Mechanics?

- **Canada Job Bank:** <https://www.jobbank.gc.ca/marketreport/requirements/7776/AB>
- **Alberta ALIS:** <https://alis.alberta.ca/occinfo/occupations-in-alberta/occupation-profiles/electric-motor-systems-technician/>

Canada  Alberta 

The Province of Alberta is working in partnership with the Government of Canada to provide employment support programs and services.

*The opinions and interpretations in this publication are the author's and do not necessarily reflect those held by the Government of Alberta.*