

SKILLED TRADES

Positions in the Forest Products Industry



ELECTRICAL MECHANICS

apprentice electrical mechanic, electrical mechanic, repairer, electrical mechanic lead hand, electrical mechanic group leader, electrical mechanic charge hand, electrical mechanic

Electrical mechanics maintain, test, rebuild and repair electric motors, transformers, switchgear and other electrical apparatus. They are employed by independent electrical repair shops, service shops of electrical equipment manufacturers and maintenance departments of manufacturing companies.

KEY RESPONSIBILITIES



Electrical mechanics perform some or all of the following duties:

- Test and observe electrical, electronic and mechanical components and systems using testing and measuring instruments
- Troubleshoot and repair electric motors, transformers, switchgear, generators and other electro-mechanical equipment
- Replace or recondition shafts, bearings, commutators and other components
- Wind, assemble and install various types of coils for electric motors or transformers
- Perform static or dynamic balancing of armatures or rotors by welding, brazing or soldering electrical connections and by aligning and adjusting parts
- Test and repair or replace faulty wiring or components in electrical switchgear
- Test repaired motors, transformers, switchgear or other electrical apparatus to ensure proper performance
- Perform some machining to recondition or modify shafts, commutators or other parts
- Perform on-site servicing and repair.
- Electrical mechanics may specialize in working with certain types of apparatus, such as electric motors or transformers, or in performing certain functions, such as winding coils.

THIS JOB IS RIGHT FOR YOU IF:



- You want to live an oversized life in one of Canada's beautiful forest communities
- A sense of community is important to you
- You like variety and learning new things
- You like the outdoors
- You are a team player
- You like machines
- You like getting to the root cause of breakdowns

EDUCATION AND TRAINING



Completion of secondary school and training courses or a vocational program is usually required. Completion of a four-year apprenticeship program or a combination of over four years of work experience and industry courses in electrical mechanics is usually required for trade certification. Trade certification as an electric motor system technician is available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Ontario, Manitoba, Alberta, British Columbia, the Yukon and Nunavut. Electrical motor and equipment repairer - winding trade certification is available, but voluntary, in Quebec. Electrical motor system technician (electrical utility) trade certification is available, but voluntary, in New Brunswick. Red Seal endorsement is also available to qualified electric motor system technicians upon successful completion of the interprovincial Red Seal examination.

Here is a complete list of Canadian Universities and Colleges:
thegreenestworkforce.ca/education

Notice

The requirements listed are generally required qualifications for this Career Type. The qualifications may vary based on the employer and/or the geographic location of that job.

DARE TO COMPARE

See how much time and money you would save by moving to a forest community.

thegreenestworkforce.ca/compare

If you want good pay, opportunities to learn on the job, a great lifestyle and the chance to work in Canada's Greenest Workforce, then the forest products industry is right for you.

FIND OUT MORE AT THEGREENESTWORKFORCE.CA



Funded by the
Government of Canada

