

Wind Turbine Technician

Climb 100 metres to service wind turbines. One year of college, strong pay, and a lot of stairs.

TYPICAL PAY

\$77,000

a year, full time

PAY RANGE

\$50k to \$108k

starting to experienced

TIME TO QUALIFY

1 to 2 years

after high school

DEMAND

Good

job outlook

LICENCE NEEDED

No

anyone can do it

WHERE YOU WORK

Wind farms, turbine towers, service trucks, remote sites

How you get there

- 1 High school diploma** Grade 12
Math, physics and a shop class. You must also be fit enough to climb, comfortable with heights and free of motion sickness.
- 2 Wind turbine technician program** 1 to 2 years
Lethbridge Polytechnic in Alberta runs a one-year certificate with a real turbine on campus. A two-year electrical or mechanical technician diploma is the other common route.
- 3 Safety certificates** About 1 week
GWO (Global Wind Organisation) Basic Safety Training: first aid, manual handling, fire awareness, working at height, and sea survival for offshore work. Nearly every employer requires it.
- 4 Get hired** Weeks to months
Wind farm owners, turbine manufacturers and service contractors hire graduates directly. Most jobs are in Alberta, Ontario, Quebec and the Maritimes.
- 5 Manufacturer training** 1 to 2 years on the job
Each turbine brand trains technicians on its own machines. You become fully useful after a year or two on site.

Pros and cons

- + One year of school and strong hiring rates
- + Median pay close to \$80,000 without an apprenticeship
- + A view from 100 metres up, every day
- Physically demanding: climbing, tight spaces, heavy tools
- Remote sites, long drives, some travel away from home
- Extreme heights, high voltage and weather are real hazards

Good to know

A turbine on campus

Lethbridge Polytechnic in southern Alberta, one of the windiest places in Canada, runs one of the country's only wind turbine programs with GWO (Global Wind Organisation) certified training built in.

The safety card works in 55 countries

The GWO (Global Wind Organisation) says more than 190,000 people have completed its training at over 600 centres in 55 countries. A Canadian technician's safety record is recognized by wind companies.

Optional boosts

GWO (Global Wind Organisation) Advanced Rescue and Basic Technical Training. Electrical or millwright apprenticeship. Blade repair. High-voltage switching.

Where these numbers come from

Job Bank: Wind turbine technicians, wages (updated Nov 2025)
Lethbridge Polytechnic: Wind Turbine Technician certificate
GWO (Global Wind Organisation): Basic Safety Training standard
CanREA (Canadian Renewable Energy Association)

Numbers checked September 2026. Pay figures are typical full-time annual amounts in Canadian dollars, based on Government of Canada Job Bank wage data and published salary grids. They vary by province, employer and experience. Tuition is for domestic students. Sources, links and the click-through version: <https://career.help/ca/careers/wind-turbine-technician>



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