

## **JOB DESCRIPTION**

Wind turbine technicians:

- Assist engineers and iron workers in installing new wind turbines
- Inspect the physical integrity of wind turbine towers
- Climb wind turbine towers to inspect and repair wind turbine equipment
- Test and troubleshoot electrical, mechanical, and hydraulic components and systems
- Replace components as needed
- Collect turbine data for testing, research or analysis
- Service transmission systems, wind field substations, or fiber optic sensing and control systems

## **PAY**

\$62,580 median annual wage (30.09 per hour) as of May 2024

## **JOB OUTLOOK**

60% (Much faster than average) 2023-2033

## **EDUCATION/TRAINING**

Windtechs typically attend technical schools or community colleges to earn a postsecondary certificate in wind energy technology or an associate degree.

## **IMPORTANT SKILLS**

- **Ability to work at heights.** Windtechs must be comfortable working at heights to maintain or repair turbines. Tower ladders are usually at least 200 feet high.
- **Communication skills.** Windtechs must exchange information with windtechs or specialists, such as electricians, in order to work effectively.
- **Detail-oriented.** Windtechs must maintain records of all of the services they perform and may include precise measurements, a strict order of operations, and numerous safety procedures.
- **Mechanical skills.** Windtechs must maintain and repair a turbine's various technical systems.
- **Physical stamina.** Windtechs must be able to climb turbine towers, usually with tools and equipment.
- **Physical strength.** Windtechs must lift heavy equipment, parts, and tools weighing 50 pounds or more.
- **Problem-solving skills.** Windtechs must diagnose and repair turbine issues.

## CERTIFICATE & DEGREE PROGRAMS

### **CUYAHOGA COMMUNITY COLLEGE** (Cleveland)

*Industrial Maintenance Technology Degree:*

*Associate of Applied Science*

<https://catalog.tri-c.edu/programs/industrial-maintenance-technology-aas/>

*Industrial Maintenance Technology Certificate:*

*Certificate of Proficiency*

<https://catalog.tri-c.edu/programs/industrial-maintenance-certificate-proficiency/>

## ADDITIONAL RESOURCES

Training in Ohio: [www.onetonline.org/link/localtraining/49-9081.00?st=OH](http://www.onetonline.org/link/localtraining/49-9081.00?st=OH)

US Department of Energy Career Map: [www.energy.gov/eere/wind/wind-career-map](http://www.energy.gov/eere/wind/wind-career-map)