

Job Title: Wind Turbine Engineer



Job Title:	Wind Turbine Engineer- A wind turbine technician helps keep wind turbines running safely and efficiently. These tall towers with large spinning blades turn wind into electricity, and technicians make sure all the mechanical and electrical parts are working correctly. They often climb high inside the turbines to check equipment, perform routine maintenance, and fix any issues that could affect performance. This role is essential for keeping wind energy flowing to homes and businesses. Wind turbine technicians typically work outdoors and travel to wind farms in rural or coastal areas. It's a hands-on career that suits people who are comfortable with heights, enjoy solving problems, and want to be part of a growing field that supports clean, renewable energy. What Does a Wind Turbine Technician Do? A Day In The Life Of A Wind Turbine Engineer
Entry requirements:	Education GCSEs: • 4 or 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, including English and maths for a T Level A Levels or equivalent: College course in BTEC or similar would include: • Electrical and electronic engineering • Mechanical engineering technology Alternatively, a T Level in Maintenance, Installation and Repair for Engineering and Manufacturing To attend university, you would need 3 A levels at B+ level in subjects including Maths and Physics University: • Renewable energy engineering • Electrical or mechanical engineering • Electrical power engineering Apprenticeships: You could apply to do an Engineering Technician Level 3 Advanced Apprenticeship. You could also do a Maintenance Operations Engineering Technician Level 3 Advanced Apprenticeship. These can take between 3 and 4 years to complete. Volunteering: More Information: Companies are predicted to need more wind turbine technicians in the future as industries move towards using renewable energy sources.
Skills required:	Personal skills you will need. • Be ok with working at high heights. • Knowledge of engineering science and technology. • Problem-solving skills. • The ability to use, repair and maintain tools and equipment. • To be thorough and pay attention to detail. • The ability to repair machines or systems. • Knowledge of computer operating systems, hardware and software. • Knowledge of maths. • The ability to work well with others. • To be able to use a computer and the main software packages competently. Restrictions and Requirements You'll need to: • pass background checks • have a full driving licence

	You'll also need safety training to work on wind turbines. This could include sea survival if you're working offshore. Your employer will let you know what's required.
What you'll do:	Day-to-day tasks: • Inspect Wind Turbines: Perform regular inspections to check for wear and tear, ensure safety systems are working, and identify any parts that need attention. • Perform Maintenance: Carry out routine maintenance such as changing fluids, tightening bolts, and cleaning components to keep turbines running smoothly. • Diagnose and Repair Issues: Troubleshoot electrical, mechanical, or hydraulic problems and repair or replace faulty parts to restore proper function. • Test Equipment: Use tools and software to test turbine systems and make sure they're producing power efficiently and safely. • Document Work: Keep detailed records of inspections, maintenance, and repairs for each turbine to track performance and comply with safety regulations. • Climb and Work at Heights: Safely ascend turbine towers—often over 200 feet tall—using harnesses and climbing gear to reach work areas. • Follow Safety Protocols: Adhere to strict safety standards and use protective equipment to prevent injuries while working in high and sometimes challenging conditions
Others who do this career:	Notable professional: N/A
What you'll earn:	Starter - £25,000 Experienced - £47,000 Average Salary – 35,000 These figures are a guide
Working hours, patterns and environment:	Working hours: 37-40 hour week. Day shifts mostly but some are on call over night. Environment: Outside, on the ground and high up in the air. Some turbines are at sea, so some jobs will not be on land.
Career path and progression:	After completing your training, you'll have the opportunity to specialise in: • An operations and maintenance manager • A control systems engineer • An energy engineer
Bibliography:	What does a wind turbine technician do? - CareerExplorer Wind turbine technician Explore Careers National Careers Service T Levels The Next Level Qualification