

# Job of the Week – Electrical Engineering Technician

## Job description:

To install, repair and maintain electrical equipment, systems and controls.

## Pathway routes into the industry

You can get into this job through:

- a foundation degree or higher diploma in electrical and electronic engineering at university
- a college course including a Level 2 Diploma in Electrical Installation, Level 3 Diploma in Electrical and Electronic Engineering, T Level in Building Services Engineering for Construction or Engineering, Manufacturing, Processing and Control
- an apprenticeship
- applying directly

## Entry requirements

You will usually need:

- 2 or more GCSEs at grade 3 or above (or equivalent) for a level 2 course
- 4 or 5 GCSEs at grades at 4 or above (or equivalent) for a level 3 course, T-Level or apprenticeship
- 1 or 2 A levels, or equivalent, for a foundation degree or higher national diploma

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## Skills

You will usually need:

- knowledge of engineering science and technology
- knowledge of maths
- the ability to work well with your hands
- the ability to use, repair and maintain machines and tools
- to be thorough and pay attention to detail
- analytical thinking skills
- complex problem-solving skills
- the ability to work well with others
- to be able to use a computer and the main software packages competently

## Relevant subjects:

**Maths, IT, Engineering**

## Day-to-day duties:

- install turbines, switchgear and power lines
- service traffic lights, street lights and motorway signs
- assemble, fit and repair drives, motors and programmable logic control (PLC) panels
- upgrade rail and signalling systems
- fix electrical faults in machines
- install and maintain lights, heating, lifts and escalators
- carry out safety inspections

**Salary: Starting at £24,00 and rising to £43,000**