

Installation Electrician

 LEVEL
3

Level: 3

Duration: 42 months

Delivery Models: Day Release

This Apprenticeship is ideal for those looking to gain qualifications and experience whilst working in an electrical environment.

You will learn how to install, maintain and repair electrical systems in industrial, commercial and domestic environments.

Apprentices will work in both indoor and outdoor settings. Electrical equipment and systems may include switchboards, motors, cables, fuses, thermal relays, fault current protection switches, heating, lighting, air conditioning, metering equipment as well as fire alarm systems and renewable energy technologies.

Installation Electricians work on the installation, testing, commissioning and maintenance of low voltage (less than 1000v) electrical and electronic devices and appliances.

Skills an apprentice will learn

Throughout this course you will understand and apply:

- The principles, practices, and legislation for the termination and connection of conductors, cables, and cords in electrical systems
- The practices and procedures for the preparation and installation of wiring systems and electrotechnical equipment in buildings, structures, and the environment
- The principles, practices, and legislation for the inspection, testing, commissioning, and certification of electrotechnical systems and equipment in buildings, structures, and the environment

- The principles, practices, and legislation for diagnosing and correcting electrical faults in electrotechnical systems and equipment in buildings, structures, and the environment
- The electrical principles associated with the design, building, installation, and maintenance of electrical equipment and systems. Oversee and organise the work environment.

Entry Requirements

Individual employers will identify any relevant entry requirements in terms of previous qualifications, trainability tests, or other criteria. Most candidates will have English and mathematics at level 2 on entry.

Qualifications Awarded

- Apprenticeship certificate
- Level 3 Electrotechnical Qualification
- Level 2 maths and English (if applicable)

End Point Assessment Content

AM2 test – A synoptic practical/knowledge assessment

Did you know?

By the end of the apprenticeship the candidate will have satisfied the requirements for registration as Eng Tech by the Engineering Council.

