

Installation Electrician Level 3

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Duration: 42 months

Delivery Model: Day Release



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Overview

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.

End Point Assessment Content

AM2 test - A synoptic practical/knowledge assessment.

Potential Progression Routes

- Level 4 Building Services Engineering Senior Technician
- Level 4 BEMS Building Energy Management Systems Controls Engineer



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Skills an apprentice will learn

- 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.

Qualification Awarded

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