



Installation/Maintenance Electrician

Course Overview

- ◆ This apprenticeship programme includes learning about the primary role of an electrician, who installs, maintains and repairs electrical systems in industrial, commercial and domestic environments.
- ◆ The apprentice will work with electrical equipment and systems such as: switchboards, motors, cables, fuses, thermal relays, fault current protection switches, heating, lighting, air conditioning, and metering equipment. They may also work with fire alarm systems and renewable energy technologies.
- ◆ They may contribute to the design of an electrical system, and set out jobs from drawings and specifications then requisition the necessary installation materials. They must adhere to safe working practices without endangering themselves or others.
- ◆ Students will work on the installation, testing, commissioning and maintenance of low voltage (less than 1000v) electrical and electronic devices and appliances. They will also work on the maintenance of electrical and electronic installations including automated production systems. Duties include the supervision of the equipment, its maintenance and necessary repairs.
- ◆ Some of the core competencies the apprentice will learn include: understanding and applying the practices and procedures for the preparation and installation of wiring systems, understanding and applying the principles, practices and legislation for diagnosing and correcting electrical faults, understanding and applying the electrical principles associated with the design, and overseeing and organising the work environment.

Who is it aimed at?

It's open to all ages - not just school or college leavers, employed adults are eligible too. The course is for anyone interested in the following job roles:

- ◆ Electrician
- ◆ Commercial Maintenance Electrician
- ◆ Industrial Electrician
- ◆ Senior Electrician
- ◆ Electrical Tester
- ◆ Electrical Supervisor

Duration

- ◆ This apprenticeship takes approximately 48 months for the apprentice to fully complete.

How is this apprenticeship delivered?

- ◆ As part of this apprenticeship programme, the apprentice will learn and work on the employer premises, completing tasks for portfolio building and practical role-related projects.

Entry requirements

- ◆ Employers set their own entry specification but the apprentice will complete Maths and English functional skills if they did not achieve GCSE grade 4 or above.

Off-the-job funding rule

- ◆ The funding rules state that 20% of the apprentice's time must be spent completing off-the-job training, this may include different activities and is measured over the course of the apprenticeship.
- ◆ Apprentices will be required to undertake the equivalent of a day's training to meet this funding rule. This could be either attending BCoT, shadowing another department/role, online learning, or manufacturer training and will be fully documented in their portfolio.

Progression opportunities

- ◆ Upon completion of the apprenticeship, with the transferable skills gained, the apprentice can progress further and apply their knowledge within various electrician roles across many sectors
- ◆ The apprentice may also progress their training further and undertake relevant qualifications related to their role in the workplace.

Did you know?

- ◆ An apprentice can be a new or existing employee.
- ◆ Apprenticeships are open to anyone living in England over the age of 16 and not in full-time education.
- ◆ Apprenticeship programmes can go up to degree level.
- ◆ BCoT is one of the largest providers of apprenticeships in the region. We work with large and small employers across all industry sectors.
- ◆ BCoT is in the top 30% of colleges nationally for timely achievement of apprenticeships for all ages and levels - National Achievement Rate Tables 2017/18.

Get in touch

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