

## Installation Electrical and Maintenance Electrician (ST0152) Level 3 Apprenticeship

Electricians install, maintain and repair electrical systems in industrial, commercial and domestic environments. Electricians might work both indoor and outdoor settings.

Electrical equipment and systems may include: Consumer units and Distribution boards, motors, cables, fuses, contactors, fault current protection switches, heating, lighting, air conditioning and metering equipment, as well as intruder and fire alarms systems and renewable energy technologies.

### Expected course duration

**45 months.**

### College Day Release intakes

**September.** However, you will be able to start the work-based learning element at any time throughout the year.

### When can the apprentice start employment?

When offered job role and start date agreed with employer.

### When can the apprenticeship training start?

As soon as Apprentice starts employment. Arrangements will be made to start apprenticeship and college delivery.

### Course Content

- Application of health and safety and electrical principles
- Understanding the fundamental principles and requirements of environmental technology systems
- Principles of electrical science
- Electrical installations: fault diagnosis and rectification
- Electrical installations: inspection, testing and commissioning
- Electrical systems design
- Working effectively and safely in an Electrotechnical environment
- Principles of Electrotechnology
- Installation practices and theory

## Entry requirements

### English & Maths

Apprentices without level 2 English and maths will need to achieve this level prior to taking the End-Point Assessment. For those with an education, health and care plan or a legacy statement, the apprenticeship's English and maths minimum requirement is Entry Level 3. A British Sign Language (BSL) qualification is an alternative to the English qualification for those whose primary language is BSL.

## What training is required in the workplace?

- Learning a variety of skills to enable the apprentice to be able to develop and complete their Apprenticeship and EPA
- 20% off the job training
- College attendance
- Regular 10/12/week Meetings with Training Coordinator and Apprentice to discuss progress and set SMART targets throughout apprenticeships

## Further study and career options

### Course progression:

You can progress on to a number of recognised Electrical Installation courses, including City & Guilds 2391 Inspection and Test, and the new green technologies courses, such as Wind and Photovoltaic Power Generation Installations.

### Career progression:

Supervisory or Management role.

## Additional information

The following PPE/Equipment is required:

- Safety boots
- Work overalls
- Stationery

## Campuses

Study is available at the following campuses:

- Bedford College
- Tresham College Corby Campus

For more information, please visit here:

<https://www.instituteforapprenticeships.org/apprenticeship-standards/installation-electrician-and-maintenance-electrician-v1-0>