

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 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 and metering equipment as well as crime and fire alarm systems and renewable energy technologies.

Expected course duration

45 months.

College attendance

Bedford / Corby

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

- 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
- Application of health and safety and electrical principles
- Installation practices and theory

Entry requirements

Grade requirements

Level 2 Functional Skills Maths and English
GCSE grade 4 and above Maths and English

Other requirements

Essential:

Level 1 Equivalent or Grade 3 and above Maths and English

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

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>