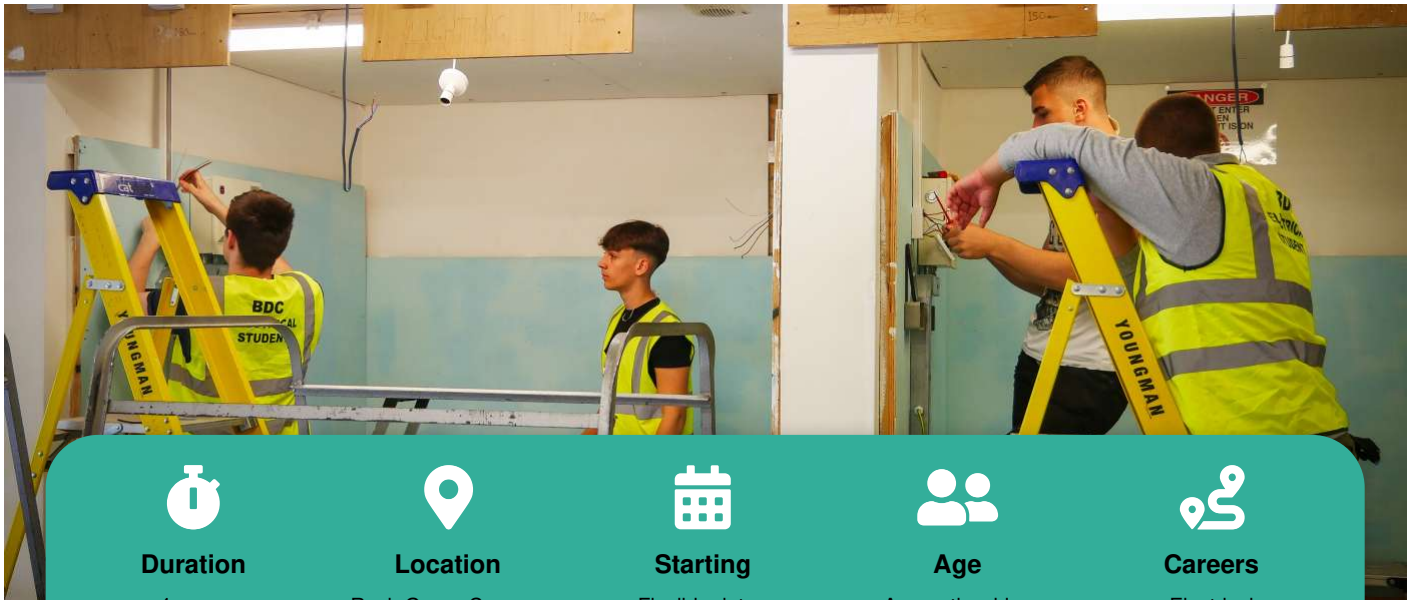







Level 3

Installation and Maintenance Electrician

Apprenticeship



				
Duration	Location	Starting	Age	Careers
4 years	Rush Green Campus	Flexible dates	Apprenticeships	Electrical

How do apprenticeships work?

If you prefer a more practical style of learning, an apprenticeship or higher apprenticeship could be the ideal option for you. They enable you to learn on the job and gain nationally recognised qualifications at the same time. [Find out more about apprenticeships.](#)

Overview

Electricians install, maintain and repair electrical systems in industrial, commercial and domestic environments.

As an electrician you 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. Electricians are able to work on their own proficiently, and to work without immediate supervision in the most efficient and economical manner.

Electricians may contribute to the design of electrical systems. They are able to set out jobs from drawings and specifications and requisition the necessary installation materials.

Electrical safety is an important area of an electricians' job. On completion of their work, electrical systems must be safe to use. Electricians must therefore adhere to safe working practices without endangering themselves or others.

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

Maintenance Electricians 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.

Entry requirements

You'll need GCSEs in Maths, English and a Science at grade 4(C) or above, and/or relevant industry experience.

You'll also be expected to be able to show core knowledge, skills and behaviours.

Applicants without Level 2 qualifications in Maths & English will need to study Functional Skills at this level alongside their apprenticeship.

Professional registration links

By the end of the apprenticeship you'll have satisfied the requirements for registration as EngTech by the Engineering Council.

Visit this course on our website: <https://barkingdagenhamcollege.ac.uk/find/courses/0000011012>

For further information please contact the college: <https://barkingdagenhamcollege.ac.uk/contact>