



Installation Electrician & Maintenance Electrical

Duration:	48 Months
Level:	3
Entry requirements:	Individual employers will set their criteria
Certified by:	EAL & IFA

Qualification

- Scientific Principals
- Design & Installation
- Terminations & Connections of Conductors
- Inspection
- Testing and Commissioning
- Fault Diagnosis and Ratification

Training

There is a mandatory Level 3 Electrotechnical Qualification and two occupational routes available in this apprenticeship.

Installation Electricians: Will install, test understand and apply the principles of planning and selection for installing electrotechnical equipment and systems in buildings, structures and the environment.

Maintenance Electricians: Will maintain electrical and electronic installations including automated production systems and apply the practices and procedures for planning and preparing to maintain electrotechnical systems and equipment. As well as the skills needed for each route, on-programme includes a wide variety of installation and maintenance tasks including: installing wiring systems; electrical principles in maintenance of electrical equipment; and legislation around testing and commissioning equipment.

Core behaviours for the standard are: ■ team working ■ effective communications
■ a strong work ethic ■ awareness of health and safety.

Assessment

For this standard, all apprentices must complete the AM2 (Electrotechnical Assessment of Occupational Competence). The AM2 will assess the apprentice's skills, knowledge and confirm behaviours against the theory and performance criteria within the standard. In the practical part, apprentices will perform a set of common tasks and procedures that a full-scope electrical operative might face when working in commercial or industrial premises as well as dwellings. In the theory section, there are 40 multiple-choice questions.

Find out more at netservices.org.uk

Job Role

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. They are able to work on their own proficiently and work without immediate supervision in the most efficient and economical manner.

Further Courses

- 18th Edition
- Testing & Inspection
- Car Charge Points

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