

# ELECTRICAL INSTALLATION / MAINTENANCE LEVEL 3

## EMPLOYER TRAINING & APPRENTICESHIPS

For new or existing staff

This apprenticeship standard is suitable for individuals pursuing a career in electrical installation and maintenance. Electricians install, maintain and repair electrical systems in industrial, commercial and domestic environments. 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.

### Qualification

**Level 3 Electrotechnical  
Qualification (Installation or  
Maintenance)**

Completers may want to progress to Royal Green Apprenticeship, Approved electrician, Contracts Manager & site management

#### Delivery model and duration:

Apprentices will attend College on a day release format.

**Duration: 48 months plus 6 months End Point Assessment**

#### Ideal for:

- Installation Electrician
- Maintenance Electrician

#### Entry Criteria:

- 5 GCSE including Maths, English and Science at 9-4 or A\* - C

#### The apprenticeship will cover the following core areas:

- Knowledge learning outcomes
- Performance learning outcomes

#### Benefits to business:

- Apprenticeships provide skilled workers for the future
- Apprenticeships increase staff loyalty and retention
- Apprenticeships increase a company's productivity
- Apprentices can revitalise a company

#### Benefits for learners:

- Gain a nationally recognised qualification that can lead to higher education as well as full time employment
- Genuine, consistent work experience: become fully equipped for the world of work
- Good progression into supervisory and managerial roles in the workplace
- Apprentices are paid at least the minimum wage, with many employers paying more

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## End Point Assessment

Once all training is complete, apprentices are able to apply to take the end-point assessment; AM2. AM2 is an independent stand-alone assessment that is already well recognised in the industry. Satisfactory completion of the qualification and AM2 will demonstrate full competence and lead to the award of the apprenticeship certificate.

## Components

- English and Mathematics qualifications completed in line with the apprenticeship funding rules
- Level 3 Electrotechnical Qualification (Installation or Maintenance)
- AM2S

## Knowledge developed will include:

Health & safety legislation, risks, and safe working practices in electrical environments

Key electrical regulations and standards (e.g. BS7671, Building Regulations)

Electrical systems, equipment, components, and how they function

Installation, testing, inspection, and fault-finding principles

Technical information, drawings, calculations, and documentation requirements

## Skills developed will include:

Work safely and comply with regulations, using PPE and safe practices

Plan, design, and install electrical systems and equipment

Inspect, test, and certify electrical installations

Diagnose and fix faults using problem-solving techniques

Use tools, materials, and complete accurate documentation

## Behaviours developed will include:

Prioritises health & safety and takes personal responsibility

Delivers quality work and follows standards and regulations

Works well with others and communicates effectively

Manages time and workload efficiently

Commits to ongoing learning and professional development