

# 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**  
Approved electrician, Contracts  
Manager & site management

#### Delivery model and duration:

Apprentices will attend College on a day release format.

**Duration: 42 months  
plus 6 months End Point  
Assessment**

#### Ideal for:

- Installation Electrician
- Maintenance Electrician

#### Entry Criteria:

- GCSEs in English, maths and science at grade 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

**0345 155 2020**

[employer.training@gloscol.ac.uk](mailto:employer.training@gloscol.ac.uk)



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**GC**  
Gloucestershire College

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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.

## Units:

- Understand Health, Safety and Environmental Considerations
- Understand How to Plan and Oversee Electrical Work Activities
- Understand Design and Installation Practices and Procedures
- Understand Terminations and Connections of Conductors
- Understand Inspection, Testing and Commissioning
- Understand Fault Diagnosis and Rectification
- Electrical Scientific Principles and Technologies
- Understand the Requirements for Electrical Installations BS 7671: 2008 (2015)

## Components

- Level 3 Electrotechnical Qualification (Installation or Maintenance)
- AM2S