



Standard Level 3

# MAINTENANCE AND OPERATIONS ENGINEERING TECHNICIAN

An apprenticeship in the role of Electromechanical Technicians involves the maintenance of the safety, integrity and effective operation of plant and equipment in engineering Sector or the electricity generating environment of businesses.

To support the business and operational requirements of modern integrated engineered production plant and services, Electromechanical Technicians will need to apply a range of conventional skills and knowledge to undertake engineering activities

on a selection of electromechanical and process control plant, systems and equipment. Apprentices will undertake installation, testing, servicing, removal, replacement, maintenance and repair of a range of equipment, sometimes complex, as part of planned preventative and reactive maintenance programmes.

Apprentices will be responsible for the quality of their own work, possibly others' and ensuring the work is completed safely, meets stakeholder quality, time and budget requirements, whilst maintaining the efficient running of plant and equipment.

## Elements of this standard:

Level 3: Maintenance and Operations Engineering Technician  
Functional skills Level 2: English and Mathematics

### What apprentices will learn:

- Operating and maintaining plant and equipment
- Finding and fixing faults in plant and equipment
- Assessing and testing plant and equipment
- Environmental, health and safety law, regulations and standards
- Engineering theory and principles relevant to their role
- Interpreting technical specifications and documents
- Specialist skills in electrics, mechanics, control and instrumentation, wind turbines, or plant operations
- Work reliably and effectively without close supervision; accept responsibility, allocate and supervise technical and other tasks
- Effective communication and team working ethically and with integrity

# THE ESSENTIALS

### Entry Requirements:

- Set by the employer
- Progression from a relevant level 2 course or candidates working with an operational role within the industry
- 3 GCSEs in English, Maths and Science at A\*-C OR 4 to 9, or capability to achieve FS L2

### Desired Skills and Attributes:

- Work reliably and ethically without close supervision
- Strong organisational and communication skills
- Showing initiative and an eye for detail
- Team work and the ability to prioritise
- Punctual, reliable and enthusiastic

### Progression:

On completion of this apprenticeship, progression will be able to register as Engineering Technician by the Engineering Council

### Example job roles:

- Electromechanical Technician

### Delivery model and duration:

- Duration between 36-42 months
- Delivery will be through a blend of weekly taught sessions and high quality online material
- On site assessments will support to build a portfolio and ensure the skills, knowledge and behaviours are applied in the workplace

### Application Process:

- Applications for vacancies are completed via the apprenticeship vacancy section of the Newham College website
- All applicants are assessed at interview, reviewing prior qualifications and experience for suitability of the role.