

Apprenticeship standard (England only)

# Maintenance and Operations Engineering Technician (MOET)

Industry: Engineering

City & Guilds code: 9320

LARS number: 146



-  **Typical duration: 36-42 months**
-  **Funding band: 15 (£27,000)\***
-  **Level 3**

\*Funding bands from May 2017

**On-programme learning:** Available

**End-point assessment (EPA):** Available from September 2019

Maintenance and Operations Engineering Technician standard covers seven roles including Electrical Technician, Mechanical Technician and Control & Instrumentation Technician.

They will maintain the safety, integrity and effective operation of plant and equipment in one or more of the following industries: electricity generating environment, telecommunications power plants, oil and gas refining, nuclear waste reprocessing, processing and production of chemicals, pharmaceuticals, human and animal food, cosmetics, petrochemicals, sewerage and the exploration and exploitation of oil and gas.

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

## City & Guilds – helping you with an expert solution

There are four stages where we can work together to help your apprentices from the start through to successful completion of their training.



### Plan

Helping you plan and prepare for the new standards with a bespoke solution to make the most of your investment in apprentices.



### Attract

Simple online vacancy and candidate set up, TalentPortal can connect you to the talent you need to fill your apprenticeship vacancies.



### Deliver

High-quality, online and offline content to help draw out the skills, knowledge and behaviours to prepare apprentices for end-point assessment as well as tracking options to monitor performance.



### Assess

Support for you and your apprentices to prepare for end-point assessment by our first-rate, fully trained assessors. Our simple, flexible service meets the demands of your team and your partners.

# The City & Guilds Maintenance and Operations Engineering Technician (MOET) apprenticeship

## The apprentice journey



### 1 On-programme (deliver)

Training and development takes place during this part of the apprenticeship. It may include a qualification if set in the standard.

Formative assessment of skills, knowledge and behaviours is required in the delivery of the standard and this will be outlined in the assessment plan.

Apprentices have to reach a minimum level of maths and English set by the standard. If they've not previously achieved this, they'll need further study and support.

## 1 On-programme: what apprentices need to learn

Apprentices need to complete 20% off-the-job training during on-programme and specific rules govern this vital element. You can track and authorise the 20% through our e-portfolio, Learning Assistant.

### Our resources and tools that support on-programme delivery

Our core content for this standard covers Prevent, British values, equality and diversity, and health and safety which give you the basics to deliver the standard and satisfy regulators. It's a blend of e-learning and downloadable content. We also have:



#### Optional qualification

There is no mandated qualification in this standard, however Level 3 Diploma in Engineering (Maintenance, Installation and Commissioning) (2850-33) and Level 3 NVQ Diploma in Engineering Maintenance (Mechanical) (1788-30) support the on-programme element.



#### Learning Assistant

Innovative and cost effective e-portfolio solution that lets you dramatically improve the delivery of their apprenticeship standards by tracking apprentices' progress online in real time. This helps and evidences 20% off-the-job learning.



#### Guidance documents

Guidance for apprentices and training providers to help prepare the apprentice for their end-point assessment will be available on the City & Guilds website.

### Maths and English requirements

If your apprentices need to complete maths and English, our popular Functional Skills qualifications fit within apprenticeship programmes and cover the core maths and English requirement for the workplace and further study. We have an extensive support package available, including e-Functional Skills, and an online teaching and learning platform, which guides learners from an initial and a diagnostic assessment, through to being exam ready.

Find out more: [cityandguilds.com/functionalskills](https://www.cityandguilds.com/functionalskills)

# The City & Guilds Maintenance and Operations Engineering Technician (MOET) apprenticeship



## 2 Gateway

The employer and provider must sign off the apprentice as ready to move on to end-point assessment.



## 3 Assess

The end-point assessment must demonstrate that the apprentice can perform in the occupation in a fully competent, holistic and productive way.

The assessment will be graded if required by the standard.

The assessment organisation and assessor must be independent of, and separate from, the training provided by the provider and employer.



## 4 Apprenticeship certificate

On successful completion, the end-point assessment organisation will apply to the Education and Skills Funding Agency (ESFA) for the apprenticeship certificate. The certificate is sent to the apprentice's employer.

## 2 Gateway

To move onto EPA, the apprentice must show evidence of the relevant knowledge, skills and behaviours as defined in the apprenticeship standard and have achieved Level 2 maths and English.

## 3 End-point assessment (EPA): how apprentices demonstrate their learning

EPA is the final stage that an apprentice goes through to complete their apprenticeship. The apprentice must show their learning to an independent end-point assessor and the overall grades available are pass, merit, distinction and fail. Assessment events are:



### Online knowledge test

30 multiple-choice questions taken under exam conditions.

Duration: 45 minutes.



### Practical observation

The observation will relate to the specific role they are working towards. Apprentices will be asked questions from a standard bank of questions.

Duration: Maximum of one-day.



### Professional interview

The interview, lasting between two and two-and-a-half hours will be based on the contents of the evidence portfolio, which may be compiled throughout the apprenticeship and finalised during the EPA period. The evidence will be sufficient to demonstrate the apprentice can apply knowledge, skills and behaviours required as indicated.

Find out more at:

[cityandguilds.com/apprenticeships](https://www.cityandguilds.com/apprenticeships)

## Our resources and tools that support end-point assessment

We are on the register of end-point assessment organisations and our EPA service includes support resource as well as flexibility around assessment delivery and a dedicated EPA team to support you.



### EPA preparation tool

Online content to help the apprentice feel ready for their EPA experience.

Personalised to their confidence levels and the standard, they're sent free access details once they're registered with us for EPA.



### EPA team

Our dedicated EPA team is on hand to help with bookings and questions on anything from the assessment process to evidence portfolios.



### EPA pack and guidance

Let our support, including short videos and how to guides help you get to grips and stay on track with the EPA process.



## 4 Apprenticeship certification

The apprentice will receive their Institute for Apprenticeships (IfA) apprenticeship certificate. Apprentices that complete a City & Guilds EPA will receive a City & Guilds statement of achievement for end-point assessment.

# The City & Guilds Maintenance and Operations Engineering Technician (MOET) apprenticeship

## Progression in the Engineering industries with City & Guilds

This apprenticeship is part of our wider offering in the Engineering & Manufacturing sector. We provide the following opportunities.

### Pre-apprenticeship

Level 2  
Diploma in  
Engineering

Level 2  
NVQ Diploma  
in Engineering  
Maintenance

Level 2  
Technical  
Certificate in  
Engineering

### Apprenticeship

Level 3  
Maintenance  
and Operations  
Engineering  
Technician

Level 3  
Engineering  
Technician

Level 3  
Food and Drink  
Engineering  
Maintenance

This standard was developed with input from an employer group including: Alstom, AMEC Foster Wheeler, Beck & Pollitzer Engineering Limited, Boulting, Cavendish Nuclear, Centrica Energy, Cofley Fabrication, Cordell Group, Doosan, E.ON, EDF Energy, Engenda Group, ESB, Horizon Nuclear Power, The Institution of Engineering and Technology, Jacobs, Magnox, PEME, RWE, Shepley Engineers Limited, Specialised Management Services, Springfields Fuels Limited, Scottish and Southern Energy, Technica, Veolia, Vogal Group and Wisbeach Electrical Ltd.

## How our offer supports you:

### Supportive payment structure

When you choose us for EPA you pay a small registration fee and the balance once the EPA has taken place and results submitted.

### Personal support

Our Technical Advisors, Business Managers and Customer Service teams are on hand to help you with all aspects of apprenticeships.

### Specialist online tools

Our e-Functional Skills can boost maths and English; Skills Zone develops workplace behaviours and skills; and our e-portfolio, Learning Assistant, lets you manage assignments and track the 20% off-the-job training requirement.

### Events and webinars

We deliver a range of events and webinars run by industry specialists to advise and guide you, including regional networking and CPD events.



### More information

If you're a City & Guilds centre, visit Walled Garden or contact your Business Manager to find out prices and if any elements are extra to the package. If you're a new customer, contact [apprenticeships@cityandguilds.com](mailto:apprenticeships@cityandguilds.com) to find out more.

Or visit [cityandguilds.com/apprenticeships](https://www.cityandguilds.com/apprenticeships) for full information on our apprenticeship products and services. Visit [i-l-m.com/apprentice](https://www.i-l-m.com/apprentice) for information on management apprenticeships.