

Apprenticeship standard (England only)


Land-based Service Engineering Technician (Construction Plant Maintenance)


Industry: Land-based


City & Guilds code: 9221-52

LARS number: 70



 **Typical duration:** 36 months

 **Funding band:** 13 (£21,000)*

 **Level** 3

*Funding bands from May 2017

On-programme learning: Available

On-programme optional qualification (0059): Available

End-point assessment (EPA): Available

Land-based service engineering technicians typically work on a customer's site using their initiative and are often called upon to mentor and supervise trainee colleagues, dispensing advice to customers on machinery selection.

They're involved in all aspects of preparation, installation and handover of technologically advanced machinery, plant and equipment, diagnosis and repair of faults, conducting complex repairs that may include supervising others, conducting inspections of machines and compilation of machinery conditions reports, repair proposals, estimates and quotations as well as the implementation of timely and cost effective repairs.

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 Land-based Service Engineering Technician (Construction Plant Maintenance) 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.

Knowledge

- Risk assessment
- Identification, application and care of tools and equipment
- Read and interpret complex circuit diagrams
- Record and communicate complex data
- Interpret technical data
- Repair principles and practices
- Fault finding and diagnosis
- Understand techniques for diagnosis and verification of complex machinery and equipment performance.

Skills

- Interpret safety procedures and undertake risk assessment
- Communication with colleagues and customers
- Demonstrate professional customer care practices
- Installation of machinery/equipment and explain safe operation
- Conduct diagnosis, repairs and advance maintenance of complex machinery/equipment
- Compile technical reports, repair proposals and quotations
- Minimise machinery/equipment down-time.

Behaviours

- Safety orientation
- Strong work ethic
- Logical approach
- Problem solving
- Quality focused
- Responsibility
- Communicator
- Team player
- Contributor to profitability
- Adaptability
- Self-motivation
- Commitment.

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

The City & Guilds Level 3 Diploma in Work-based Land-based Engineering Operations (Construction Plant Maintenance) (0059) is closely aligned to the content of the apprenticeship standard and enhances the on-programme experience for the apprentice and employer supporting on-programme formative assessment.



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. And helps authorise and evidences 20% off-the-job learning.



Guidance documents

Guidance for apprentices and training providers to help prepare the apprentice for their EPA 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 Land-based Service Engineering Technician (Construction Plant Maintenance) 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 on to EPA, the apprentice must show evidence of the relevant knowledge, skills and behaviours as defined in the apprenticeship standard. Employers set the selection criteria for the apprentices. Typically this includes four GCSE's at Grade C or equivalent to include English, maths and a science subject. Apprentices without Level 2 maths and English will need to achieve this prior to taking the EPA.

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, short answer and structured answer questions.

Duration: One-hour and 30 minutes.



Practical task

Three tasks; the maximum duration of each task is one-hour and 45 minutes.

Duration: One six-hour day



Presentation and professional interview

A 15-minute presentation relating to the industry sector worked within; presented immediately before the professional interview.

A 60-minute structured discussion between the apprentice and their independent end-point assessor. This is a chance to gather or explore further evidence and based on both the presentation and log of progression.

Our resources and tools that support end-point assessment

We're applying to be on the register of end-point assessment organisations for this standard. 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.



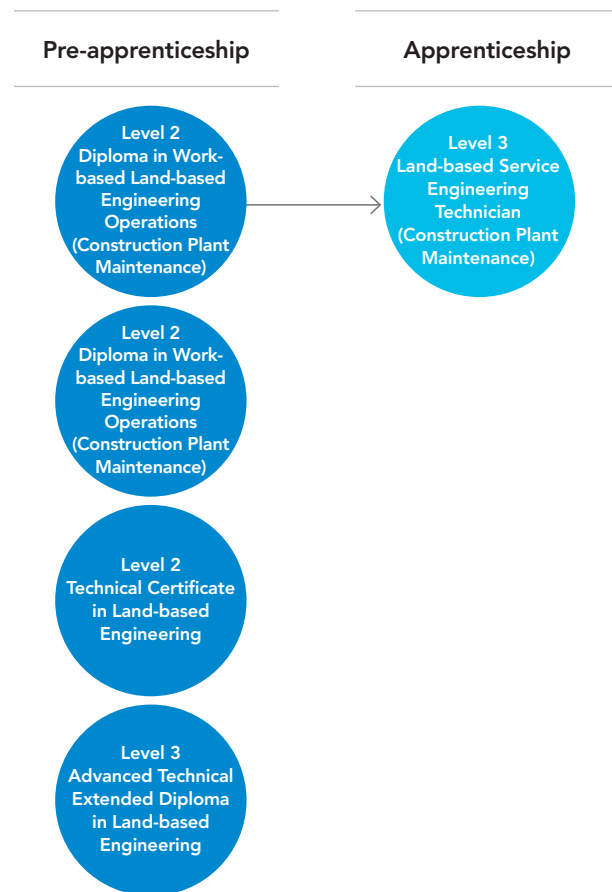
4 Apprenticeship certification

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 Land-based Service Engineering Technician (Construction Plant Maintenance) apprenticeship

Progression with City & Guilds Group

This apprenticeship is part of our wider offering in the Land-based sector. We provide the following opportunities.



This standard was developed with input from an employer group including: CLAAS UK Ltd, Toro, Kubota (UK), AGCO Ltd, Ransomes Jacobson, John Deere, Case New Holland, Agricultural Engineers Association (AEA), British Agricultural and Garden Machinery Association (BAGMA) and Institute of Agricultural Engineers (IAgrE).

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 to find out more.

Or visit cityandguilds.com/apprenticeships for full information on our apprenticeship products and services. Visit i-l-m.com/apprentice for information on management apprenticeships.