

Construction Equipment Maintenance Technician (Construction Plant Maintenance) Apprenticeship Standard Level 3

Ofsted Outstanding Provider

Course Level: Level 3 | **Campus: Stafford** | **Subject Type: Construction & Engineering**

Course Overview:

This apprenticeship builds on the intermediate level and further develops skills in maintaining and repairing construction plant machinery. Apprentices learn about diagnostic techniques, advanced repairs and equipment modifications, preparing them for roles as engineering technicians in construction plant maintenance.

What's Covered:

This occupation is found in the construction and allied sectors, these may include manufacturers, plant hire companies, construction contractors, industry employers, or an independent maintenance or inspection organisation in employers such as within the construction, demolition, rail-plant, extractives or mineral product services.

The broad purpose of the occupation is to ensure that construction and allied-based plant and equipment, through technical and diagnostic activities, has been made fully functional, safe and efficient where problems occur. The technician will also complete important activities around installing, decommissioning, upgrading, modifying or adapting. They will deal with a wide range of construction-based equipment including static and mobile plant which has a high level of complexity for operational efficiencies. This complexity may include dealing with stringent engine emission requirements, where the understanding of complex programmable electronic systems together with a mechanical and a chemical conversion process is required. With the advent of mechatronic-based operation, hybrid and clean-technology equipment, the technician must be able to adapt to new and changing technologies for zero-carbon equipment. The occupation is a key role in keeping construction and allied based equipment fully functional and efficient, which can affect the delivery of national infrastructure and housing build programmes.

The apprentice will typically spend between 36 months on-programme working towards the apprenticeship standard, with a minimum of 20% of this time being spent in off-the-job training.

The apprenticeship will cover a broad range of topics to provide you with the knowledge and skills required including:

- Preparation, installation and handover of complex technologically advanced machinery, plant and equipment and the verification of its performance to the manufacturers specification and customers satisfaction
- Diagnosis and repair of complex faults in machinery, plant and equipment
- Conducting complex repairs of machinery, equipment, and their components which may include supervising a junior colleague to assist in aspects of the repair.
- Conducting inspections of machines and the compilation of machinery condition reports
- Compilation of repair proposals, estimates and quotations and the implementation of timely and cost effective repairs
- How to work professionally and engage in continual professional development

Entry Requirements:

Grade 4 in Maths and English or equivalent is required.

Assessment Information:

1 of 13

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Results 13%

above national average

Your progress is continually monitored throughout the course. Assessments are arranged when necessary and these take place on-the-job.

Assessments will include:

During your programme you will produce a log of progression and a presentation to evidence your apprenticeship learning journey. You will gather evidence including records of reviews with your employer and assessor which comment on your personal behaviours, strengths and weaknesses and progress made towards the apprenticeship standards.

Once you have completed your programme, met all of the pre-requisites for the EPA, including English and maths requirements, and your employer is satisfied that you are consistently working at or above the level set out in the occupational standard, you will be put through for your End Point Assessment which will take place within a 4 month period.

The EPA consists of 3 distinct elements which are to be completed in the order below:

- Online Knowledge Test
- Practical Tasks
- Presentation and Professional Interview

Fees and Financial Support:

While you are on an apprenticeship your employer pays you a salary and supports you whilst you undertake your training.

Progression:

If you successfully achieve all parts of the apprenticeship, your assessor will discuss with you and your employer the next steps to take. Dependent on your roles and responsibilities, this may be the next level of the subject you have been studying already or a different pathway.

What else do I need to know?

On an apprenticeship programme you usually will work for a minimum of 30 hours a week for the employer and then have block release study at college or designated time in the workplace.
Some job roles will require a DBS before starting, you will be advised at interview stage if this is required.
Whilst you are on an apprenticeship your employer pays you a salary, this includes all off the job training as well.

How do I find out more?

Telephone: 01782 254287 (Newcastle office) or 01785 275660 (Stafford office)
Email: apprenticeships@nscg.ac.uk