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Apprenticeships



# APPRENTICESHIPS

## ENGINEERING FITTER APPRENTICESHIP

Producing complex high value, low volume components or assemblies.

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LEVEL              | This apprenticeship <b>standard</b> is set at level <b>Three</b>                                                                                                                                                                                                                                                                                                                                                  |
| ENTRY REQUIREMENTS | Apprentices without level 2 English and Maths will need to achieve this level prior to taking the End-Point Assessment. For those with an education, health and care plan or a legacy statement, the apprenticeship's English and Maths minimum requirement is Entry Level 3. A British Sign Language (BSL) qualification is an alternative to the English qualification for those whose primary language is BSL. |
| DURATION           | Typically 42 months (not including EPA period)                                                                                                                                                                                                                                                                                                                                                                    |
| START DATES        | September                                                                                                                                                                                                                                                                                                                                                                                                         |
| LOCATION           | Reading                                                                                                                                                                                                                                                                                                                                                                                                           |

### OVERVIEW

This occupation is found in manufacturing and process sectors.

The broad purpose of the occupation is to produce complex high value, low volume components or assemblies in full or part, using machines, equipment or systems, to the required specification. For example, turbines, cranes, gearboxes, production lines, rigs and platforms. Fitters may typically have a mechanical, electrical, electronic, control systems, pipe fitting or instrumentation bias. To produce or re-furbish the components fitters will interpret drawings or specifications and plan their work, for example ensuring they have the right tools, equipment and resources to complete the task to the required specification. Fitters are required to check their work against quality standards and make adjustments as required based on their knowledge. On completion of the task a fitter will hand over the product and prepare the work area for the next task by checking equipment meets the standards required to operate. They may be based in a workshop or clients premises - this may include hazardous environments.

In their daily work, an employee in this occupation typically interacts with line managers or supervisors; depending on the size of the employer and nature of the work they may work as part of a team of fitters or independently. They may interact

with personnel in other functions for example, installation and maintenance engineers, health and safety and quality assurance personnel, as well as internal or external customers.

An employee in this occupation will be responsible for completion of their work to the required specification and deadlines, in line with quality, health and safety and environmental regulations and requirements, with minimum supervision.

## JOB ROLES

Controls and systems fitter, Electrical fitter, Electronic fitter, Instrumentation fitter, Mechanical fitter, Pipe fitter.

## OCCUPATION DUTIES

- Interpreting and following drawings or diagrams or specifications for required component or assembly.
- Planning work activity, including resources, equipment and tooling.
- Producing individual components, for example keys, pipework, threading, wiring looms, interfacing parts, motors, wiring cables.
- Re-furbishing components.
- Assembling components to produce equipment, machine or system - in full or part.
- Quality checking and adjusting components or assembly against required specification; for example testing and calibrating.
- Identifying and resolving problems with components or assembly; fault diagnosis.
- Handing over completed components or assembly, this may include storage and commissioning.
- Re-instating work area and equipment.
- Contributing to continuous improvement in component production or assembly.

## CURRICULUM DELIVERY

The apprentice will meet the assessor in their workplace to support with the delivery of standards, to review and record the progress, and coach throughout the apprenticeship. Additional sessions may be required to support with Functional Skills, Maths and English, and this can be delivered during one-to-one sessions as well as college classes depending on the learners needs. It is essential that employers also ensure that apprentices are being mentored in these practices whilst in the workplace to ensure a satisfactory level of competence and knowledge is achieved prior to End Point Assessment (EPA).

## APPRENTICESHIP WAGES

Every apprentice must be paid a lawful wage for the time they are in work and in off the-job training. The employer must meet the cost of the apprentice's wages. An employer can only pay the apprenticeship minimum wage from the start of the apprenticeship programme and not before. You can find information on the national minimum wage, the apprenticeship rate, and the definition of an employee on GOV.UK.

## END POINT ASSESSMENT

To achieve this apprenticeship standard, the employer, training provider and apprentice will agree when the apprentice has developed all the knowledge, skills and behaviours defined in the apprenticeship standard and clearly evidenced by the on-programme progression review meetings and records. The independent end assessment ensures that all apprentices consistently achieve the industry set professional standard and can commence at any point once the apprentice is competent after the twelve-month minimum period of learning and development. Prior to independent end assessment, the functional skills English and maths components of the apprenticeship must be successfully completed.

## PROGRESSION

Successful completion of this apprenticeship can lead on to work as an Engineering fitter.

## For more information please contact us:

**[hello@activateapprenticeships.co.uk](mailto:hello@activateapprenticeships.co.uk)**

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