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## City & Guilds

601/0078/3 Level 3 NVQ Diploma in Fabrication and Welding Engineering

### OVERVIEW

What does this qualification cover?

It covers a wide range of fabrication and welding engineering disciplines related to the Advanced Manufacturing and Engineering sector. It enables you to demonstrate your occupational competence through the development of hand-skills and gaining of knowledge.

You have the option of selecting one of seven pathways which include manual welding, steel metalworking, structural steelwork and pipe and tube fabrication.

For each you will complete the following mandatory units:

- Complying with Statutory Regulations and Organisational Safety Requirements
- Using and Interpreting Engineering Data and Documentation
- Working Efficiently and Effectively in Engineering

Then dependant upon the overall pathway chosen you will complete a number of optional units which include:

- Welding materials by the manual metal arc process
- Producing sheet metal assemblies
- Joining fabricated components using mechanical fasteners
- Forming pipework by machine bending

• Who could take this qualification? OR who is this qualification designed for?

It is a work-related, stand alone competence-based qualification suitable for anyone aged over 25. There are no formal entry requirements.

This may suit you if you have been working in related manufacturing industries and are now looking to have your competence as a fabricator and welder recognised.



### WHAT COULD THIS QUALIFICATION LEAD TO?

- Will the qualification lead to employment, and if so, in which job role at which level?

You can be employed in a variety of fabrication and welding engineering job roles including:

- Welder
- Sheet metal worker
- Plater/fabricator

- Will the qualification support progression to further learning, if so, what to?

You could progress onto a higher apprenticeship in Engineering or other qualifications such as:

Level 4 Diploma in Mechanical Manufacturing Engineering  
Level 4 Diploma in Aeronautical Engineering  
Level 4 Diploma in Electrical and Electronic Engineering  
Level 4 NVQ Extended Diploma in Engineering Manufacture

- If there are larger and/or smaller versions of this qualification at the same Level, why should a learner take this particular one?

You would select this qualification over the Level 3 NVQ Extended Diploma in Fabrication and Welding Engineering if you are aged 25 or over and had previously completed the Level 2 NVQ Diploma in Performing Engineering Operations or had some experience of working in the Engineering sector.

Who supports this qualification?

It is supported by the British Business and General Aviation association.