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1 Giltspur Street
London
EC1A 9DD
T +44 (0)20 7294 2468
F +44 (0)20 7294 2400
www.cityandguilds.com

City & Guilds

601/4167/0 Level 1 Award in Introductory Metal Fabrication

OVERVIEW

What does the qualification cover?

This is a single unit qualification which allows you to demonstrate the following skills and knowledge through the completion of three practical assignments:

- be able to measure and mark out in preparation for metal fabrication
- set up, prepare and shut down equipment for metal cutting, forming and joining
- work within tolerances of +/- 3mm
- produce fabricated components including flat plates, boxes and trays.
- understanding of the metal fabrication process requirements.

This is a Framework qualification.

Who could take this qualification?

This would be ideal for someone who has no experience of metal fabrication or engineering as it provides an introduction to a specific engineering skill where there are shortages. It would also be suitable for someone who is looking to increase their range of engineering skills, such as a welder or thermal cutter.

It is suitable for all age groups and there are no entry requirements.

What could this qualification lead to?

It could lead to a number of job roles including semi-skilled sheet metal workers or fabricators across a number of sectors including:

- General engineering
- Automotive
- Fabrication industries
- Energy
- Construction

Again if you are a newcomer to Engineering you may also want to consider a longer programme in the Level 1 Certificate in Welding, Fabrication and Cutting skills, which will allow you to develop a broader range of skills. This may lead to a career as an engineering fitter welder or pipe fitter, or progression onto an intermediate apprenticeship in Engineering.

There is also a Level 2 Award in Metal Fabrication. This will enable you to develop your practical skills further as you will work within tolerances of +/- 2mm, join metal using techniques such as MIG or TIG welding and produce more complex fabricated components including cylinders and cones.

On completion of the Level 1 Award in Introductory Metal Fabrication you may wish to consider progression to an intermediate apprenticeship in fabrication and welding, or onto other qualifications including:

Level 2 Award in Metal Fabrication
Level 2 Certificate in Welding, Metal Fabrication and Cutting Skills.
Level 2 Certificate in Engineering.
Level 2 NVQ Diploma in Performing Engineering Operations

Who supports this qualification?

It is supported by the following Colleges of Further Education:

- Hartlepool College
- Leeds City College
- Lincoln College

