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City & Guilds

601/4174/8 Level 2 Certificate in Welding, Fabrication and Cutting Skills

OVERVIEW

What does the qualification cover?

It covers the development of practical skills and knowledge in welding, metal fabrication and thermal cutting. You will need to complete a total of three units. This includes one welding unit, from a choice of five, a metal fabrication unit and a thermal cutting unit.

For each unit you will complete a series of practical assignments allowing you to demonstrate the following skills and knowledge:

- measure and mark out in preparation for metal fabrication and thermal cutting
- set up, prepare and shut down equipment for welding, metal fabrication and thermal cutting.
- produce a selection of fabricated components
- make a selection of cuts using thermal cutting techniques
- produce welded joints in a variety of positions
- check joints are aligned and welds are sound and of uniform appearance
- understand the welding, metal fabrication and thermal cutting process requirements.

This is a Framework qualification.

Who could take this qualification?

It is designed to allow you to prepare for further learning or training, enter an apprenticeship or employment as an engineer, welder, metal fabricator or thermal cutter.

What could this qualification lead to?

It could lead to a variety of welding, fabrication and thermal cutting jobs roles across a number of sectors including

- Aerospace
- Automotive
- Fabrication industries
- Marine
- Defence
- Oil and Gas
- Energy

You could progress onto an advanced apprenticeship in Welding or Engineering or other qualifications such as:

Level 3 Award in Advanced Welding Skills

Level 3 Diploma in Engineering

Level 3 NVQ Extended Diploma in Fabrication and Welding Engineering

Who supports this qualification?

It is supported by the following Colleges of Further Education:

- Hartlepool College
- Leeds City College
- Lincoln College

