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## **City & Guilds**

601/4170/0    Level 1 Certificate in Introductory Welding Skills

### OVERVIEW

What does the qualification cover?

The qualification includes the four most popular welding processes; manual metal arc (MMA), tungsten inert gas (TIG), metal inert gas (MIG) and oxy-acetylene welding.

You must select two units, with each unit being made up of five practical assignments. These involve producing welded joints in a variety of flat/horizontal positions, you will make sure the welded joint is sound and learn how to identify defects. You will then demonstrate your knowledge of the relevant welding process by answering a series of oral questions.

This is a Framework qualification.

Who could take this qualification?

This qualification would be ideal for someone who has no experience of welding or someone who is looking to add additional welding processes to their existing skills at this level.

You may also wish to use this qualification if you are considering an intermediate apprenticeship in welding where skills and knowledge of more than one welding process will be required.

This qualification is available to all age groups and there are no entry requirements.

What could this qualification lead to?

It could lead to a variety of MIG, TIG, MMA and oxy-acetylene welding jobs roles across a number of sectors including:

- Construction
- Aerospace
- Nuclear
- Automotive (Production & Repair)
- Fabrication industries
- Engineering (maintenance)
- Food & Drink manufacturing

If you consider this qualification is too long or you only have need for skills in one welding process you may want to consider one of the four shorter individual Level 1 Awards in Introductory Welding Skills in TIG or MIG or MMA or oxy-acetylene.

On completion of the qualification you may want to consider progressing onto an intermediate apprenticeship in Welding or other qualifications such as:

Level 2 Awards in Welding Skills  
Level 2 Certificate in Welding Skills  
Level 2 Diploma 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

