

## CERTIFICATE IN INTRODUCTORY WELDING, FABRICATION AND CUTTING SKILLS



### ABOUT THE PROGRAMME

This level is ideal for anyone who wants to become a welder and is new to welding, metal fabrication, thermal cutting and/or brazing and soldering. Candidates will learn, develop and practise the skills required for employment and/or career progression in the engineering sector or for their own personal development.

### COURSE STRUCTURE

To achieve the Level 1 Certificate in Introductory Welding, Fabrication and Cutting Skills learners must achieve 21 credits by studying the following units:

1. Metal Fabrication
2. Thermal Cutting Techniques
3. Oxy-Acetylene Welding

Upon the successful completion of all three units, candidates will be able to undertake qualifications at Level 2.

### WHAT WILL I LEARN?

- Health and safety hazards
- Types of fire extinguishers
- Safety signs and PPE
- Specific requirements for welding
- How to produce beads on plate in the PA flat position
- Lap fillet welding
- Brazed tee fillet joints
- Corner welding
- Measuring and marking out in preparation for metal fabrication and thermal cutting
- How to set up, prepare and shut down equipment for metal cutting, forming, joining and thermal cutting
- The use of metal fabrication and thermal cutting equipment
- Process requirement for metal fabrication and thermal cutting

### ASSESSMENT

For each qualification candidates will be required to complete Five practical assignments and one oral knowledge test for each welding unit.

### CERTIFICATION

The certificate for this course is conferred by City and Guilds.

### ENTRY REQUIREMENTS:

There are no formal entry requirements for candidates undertaking these qualifications.

### DURATION:

210 hours

### COST:

\$300,000

### ABOUT CITY & GUILDS



City & Guilds offers a range of products and services, mainly in vocational and technical education. One of their traditional strengths is the development of qualifications to ensure people learn skills that are work relevant and recognised by employers. A key part of these qualifications are assessments which are designed to measure the practical skills and knowledge of learners.

#### NATIONS

41-42 NEW MARKET STREET, GEORGETOWN

225 4516, 227 4623 | [info@nations.gy](mailto:info@nations.gy)

[www.nations.gy](http://www.nations.gy)

  @nationsinc



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