

## **Purpose Statement**

### **Skills and Education Group Awards Level 3 Diploma in Welding Techniques and Skills (603/5761/7)**

#### **Overview**

##### **Who is this qualification for?**

At Skills and Education Group Awards we have updated our suite of Fabrication and Welding qualifications to include the latest fabrication and welding techniques, materials, processes and practices. They are assessed in line with industry demands, which include updated rigorous practical assessments and online on-demand assessments.

This qualification is designed for those aged 16 or over who are currently working in the engineering sector and wish to upskill and broaden your skills or for learners who wish to progress into employment or further study in the sector.

The qualification structures have been developed with the typical learner in mind, to ensure the units contained within them are relevant and facilitate progression, whether that is onto higher levels of learning, employment or specialist fabrication and welding procedures.

The qualifications have been developed in conjunction with academia and industry experts and informed by the work of professional bodies in the fabrication and welding field.

##### **Benefits for learners**

Undertaking this qualification allows you to:

- Develop a higher skill level in Welding
- Underpin these skills with an understanding of up to date knowledge and skills
- Continue your development by covering critical welding techniques or by seeking to achieve approval under European Standards

There are no specific qualification requirements for entry onto the Level 3 Diploma in Welding Techniques and Skills. However, it would be advantageous to have completed a level 2 or another level 3 qualification in Fabrication and Welding or welding, for instance:

- Level 2 Award in Fabrication and Welding
- Level 2 Certificate in Fabrication and Welding
- Level 2 Award in Welding
- Level 2 Certificate in Welding
- Level 3 Certificate in Fabrication and welding
- Level 3 Certificate in welding

You should seek appropriate advice and guidance on the suitability of the qualification level before embarking on a course of study.

### **What does the qualification cover?**

This 46 credit qualification has 2 mandatory units. The remaining credits are selected from a large selection of optional units offering a variety of processes and skills.

Learners will cover aspects of:

#### Mandatory Units

- Health and Safety in a Fabrication and Welding Environment
- Materials, Science and Calculations for Fabrication and Welding Practice

#### Optional Units

- Manual Metal-Arc Welding – (Vertical) Low Carbon Steel
- Manual Metal-Arc Welding – (Vertical) Stainless Steel
- Metal-Arc Gas Shielded Welding – (Vertical) Low Carbon Steel
- Metal-Arc Gas Shielded Welding – (Vertical) Stainless Steel
- Metal-Arc Gas Shielded Welding – (Vertical) Aluminium
- Tungsten-Arc Gas Shielded Welding – (Vertical) Low Carbon Steel
- Tungsten-Arc Gas Shielded Welding – (Vertical) Stainless Steel
- Tungsten-Arc Gas Shielded Welding – (Vertical) Aluminium
- Manual Metal-Arc Welding – (Overhead) Low Carbon Steel
- Manual Metal-Arc Welding – (Overhead) Stainless Steel
- Metal-Arc Gas Shielded Welding – (Overhead) Low Carbon Steel
- Metal-Arc Gas Shielded Welding – (Overhead) Stainless Steel
- Metal-Arc Gas Shielded Welding – (Overhead) Aluminium
- Tungsten-Arc Gas Shielded Welding – (Overhead) Low Carbon Steel
- Tungsten-Arc Gas Shielded Welding – (Overhead) Stainless Steel
- Tungsten-Arc Gas Shielded Welding – (Overhead) Aluminium
- Thick Plate Welding using Flux Cored Metal-Arc Gas Welding
- Pipe Welding using Manual Metal-Arc Welding
- Pipe Welding using Metal-Arc Gas Shielded Welding
- Pipe Welding using Tungsten-Arc Gas Shielded Welding

The content of the qualification will support you in developing and expanding your Welding knowledge and skills in preparation for further learning or training.

Centres will adopt a delivery approach which supports your development through a mixture of knowledge and practical exercises.

### **What could this qualification lead to?**

**Will the qualification lead to employment?** For those who achieving the Skills and Education Group Awards Level 3 Diploma in Welding Techniques and Skills, the qualification may possibly aid progression into the Engineering Industry as a welder

**Will the qualification support progression to further learning?** Successful completion of the Level 3 Diploma in Welding Techniques and Skills provides you with a sound preparation to continue your development by covering critical welding techniques or by seeking to achieve approval under European Standards

### **Further Information**

Further information on this qualification can be found on the SEG Awards Website: <https://www.abcawards.co.uk/qualification/level-3-diploma-in-welding-techniques-and-skills/>