



"making your skills a priority"

Course Title: Occupational Certificate: Welder

SAQA ID: 94100

NQF Level: 2

Credits: 373

Course Description:

The Occupational Certificate: Welder course provides learners with the practical skills and knowledge required to work as a Welder in various industries. The course covers essential welding techniques such as MIG, TIG, and Arc welding, along with the correct use of welding equipment and safety procedures. Learners will also be trained to read and interpret welding drawings and apply quality control measures to their work.

Course Objectives:

By the end of this course, learners will be able to:

- Perform welding tasks using different welding processes (MIG, TIG, Stick).
- Read and interpret welding drawings and technical specifications.
- Apply correct welding techniques to different metals and materials.
- Follow safety procedures and maintain welding equipment.
- Assess and ensure the quality of their welds.

Benefits of Completing this Course:

- Gain a nationally recognized qualification as a Welder.
- Develop skills in various welding techniques, enhancing employment opportunities.
- Acquire a comprehensive understanding of welding safety practices.
- Ensure quality and precision in welding work, contributing to workplace productivity.

Who Should Attend:

- Individuals looking to pursue a career as a Welder in construction, manufacturing, or maintenance.
- Existing workers who wish to formalize their welding skills with an accredited qualification.
- Apprentices and trainees looking to develop practical welding competencies.

Assessment:

Assessment will be based on the learner's ability to:

- Demonstrate competence in welding various materials and metals.
- Show the ability to read and interpret welding drawings and specifications.
- Perform welding tasks adhering to quality standards and safety protocols.
- Participate in written and practical assessments that demonstrate their knowledge and skills.



TRAINING AND PROJECTS

"making your skills a priority"

Specific Outcomes and Assessment Criteria:

By successfully completing this Occupational Certificate, learners will demonstrate competence in the following:

1. Perform Welding Using Different Processes (MIG, TIG, Stick):

- Use the appropriate welding process based on the material and project requirements.
- Ensure proper technique and heat control during the welding process.
- **Assessment Criteria:** Practical evaluation of welding tasks using the different methods.

2. Read and Interpret Welding Drawings:

- Understand symbols, notations, and measurements on welding drawings.
- Use drawings to plan and execute welding tasks accurately.
- **Assessment Criteria:** Accurate interpretation and application of technical drawings in a welding context.

3. Ensure Welding Quality and Precision:

- Evaluate the quality of the weld for strength, appearance, and durability.
- Make adjustments as necessary to improve the weld quality.
- **Assessment Criteria:** Observation of completed welds, ensuring they meet industry standards.

4. Follow Safety Procedures and Maintain Equipment:

- Use PPE and ensure safe working practices when handling welding equipment.
- Perform maintenance and troubleshooting on welding equipment.
- **Assessment Criteria:** Demonstration of safety protocols and equipment maintenance during practical tasks.

Completing the **Occupational Certificate: Welder** will ensure learners are well-equipped with the knowledge and practical skills needed to excel in the welding industry, contributing to high standards of work and safety in various sectors.