



ENGINEERING LEARNERSHIP



BOILERMAKER

123381



010 085 0918



www.zoneups.com



405 Cliff Ave, Waterkloofridge, Pretoria



BOOK NOW



3 YEARS



CLASSROOM TRAINING



NQF LEVEL 4 CREDITS (540)

ABOUT THE COURSE

The Boilermaker qualification prepares learners to mark off and fabricate structural steel and other steel profiles to make or repair metal products and structures, including pressure vessels and pipes.

The curriculum covers drawings, tools and machinery, cutting and welding, fabrication and pipework, assembling and joining, safety, workplace fundamentals, communication, and lifting/load securing operations.



Target Audience

- Learners who want to enter the boilermaking trade
- People interested in fabrication, welding, pipework, and metal assembly
- Individuals wanting practical trade skills in metalwork and structural steel environments
- Entry-level learners with mathematics background

PRICE

**CLASSROOM
TRAINING:**
(PRICE ON REQUEST)

(Includes snacks and beverages – only applicable to classroom bookings)

KNOWLEDGE MODULES

SMART ZONE

- Introduction to the Boilermaker Trade
- Environmental Protection, Health and Safety
- Boilermaker Tools, Equipment, Machines and Materials
- Fabrication and Pipework
- Assembling and Joining
- Cutting and Welding
- Boilermaker's Drawings
- Basics principles of environmental awareness and ethic
- Emotional intelligence and active learning
- Basics of computers and computing systems
- Workplace fundamentals and workplace safety
- Workplace relationships and performance
- Decision making
- Basic slinging and lifting, and load securing operations

WORK BASED AREAS

SMART ZONE

- Pattern and template development processes
- Tools, equipment and machinery maintenance and operation
- Workshop or on-site cutting and welding
- Fabrication, assembling and repairing metal components and structures
- Assembling and erecting structures and components

PRACTICAL SKILLS

SMART ZONE

- Visualise structures and components and develop templates
- Maintain and use tools, equipment and machinery
- Cut and weld components for fabrication
- Manipulate and fabricate profiles and metal sections
- Use heating and cold bending processes
- Erect, assemble and repair metal structures
- Work safely and respond to emergencies
- Apply safety standards and housekeeping practices
- Liaise and communicate with others
- Sling, lift and secure loads for transportation

KEY FEATURES

SMART ZONE

- National Occupational Certificate
- Title: Boilermaker
- Curriculum Code: 651302-000-01-00
- NQF Level 4
- 540 credits
- 14 knowledge modules
- 9 practical skills modules
- 5 work experience modules
- Quality Partner for Development: CHIETA
- Quality Partner for Assessment: NAMB



BENEFITS OF THIS LEARNERSHIP

- Builds strong fabrication and welding skills
- Develops technical drawing interpretation skills
- Prepares learners for structural steel and pipework environments
- Includes practical skills and workplace experience
- Improves safety, communication, and lifting competence
- Supports employability in manufacturing and construction sectors
- Provides a recognised occupational qualification pathway



SIGN UP NOW

SIGN UP NOW AND SECURE YOUR PLACE

1. Register Online – www.zoneups.com
2. Select the training you prefer and the date you would like to attend.
3. Fill in the registration form.
4. Choose your payment method and finalize the booking.

Request a Quotation

Accreditation



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