



ENGINEERING

MASTER CLASS



BOILERMAKER

93627



010 085 0918



www.zoneups.com



405 Cliff Ave Waterkloof, Pretoria



BOOK NOW



2 Day Course



Classroom



Certificate of Attendance

ABOUT THIS COURSE

The BOILERMAKER course is designed to equip learners with the knowledge and practical skills required to mark off, fabricate, assemble, join, cut, weld, and repair metal components and structures used in a wide range of industries. These may include structural steel, tanks, pressure vessels, pipes, boilers, ducting, chutes, and other heavy metal products. The programme combines theory, practical training, and workplace experience to prepare learners for real industry demands. Learners develop competence in reading drawings, using tools and machinery, fabricating components, applying cutting and welding methods, and assembling structures according to specifications and safety standards.



Target Audience

- Students
- Beginners
- Apprentices
- Technicians
- Artisans
- Welders
- Trainees
- Operators
- Fabricators

PRICE

CLASSROOM: Request a Quote
Includes snacks and beverages – only applicable to classroom bookings)

DAY ONE

OVERVIEW

SMART ZONE

Introduction to the Boilermaker Trade

- Gain a clear understanding of the boilermaker profession, including roles, responsibilities, career opportunities, and how the trade operates across different industries such as construction, mining, and manufacturing.

Health, Safety & Environment

- Learn essential workplace safety practices, including hazard identification, risk assessment, use of personal protective equipment (PPE), and safe working procedures in both workshop and on-site environments.

Quality Control & Assurance

- Understand the importance of quality standards in fabrication, including inspection methods, testing procedures, and ensuring compliance with industry codes and specifications.

Fabrication Fundamentals

- Introduction to fabrication processes, including cutting, shaping, and assembling metal components used in structures such as tanks, pipes, and steel frameworks.

DAY TWO

OVERVIEW

SMART ZONE

Tools, Equipment & Machinery

- Learn how to identify, use, and maintain hand tools, power tools, and machinery used in boilermaking, ensuring correct operation and safety at all times.

Materials & Metal Properties

- Understand different materials used in fabrication, including ferrous and non-ferrous metals, their properties, applications, and safe handling techniques.

Fabrication & Pipework

- Develop knowledge of fabrication techniques, including marking off, template development, forming, and shaping components used in pipe systems and structural work.

Cutting & Welding Basics

- Introduction to welding and cutting processes, including gas, arc, and thermal methods used to join and shape metal components in fabrication projects.

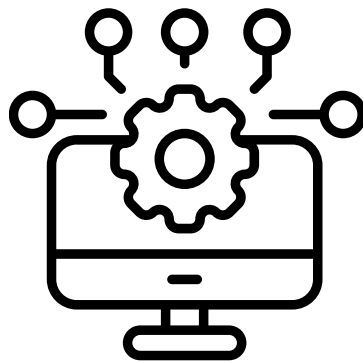
Assembly & Structural Work

- Learn how to assemble, align, and erect metal structures and components safely and accurately according to technical drawings and specifications.

Features of this Course

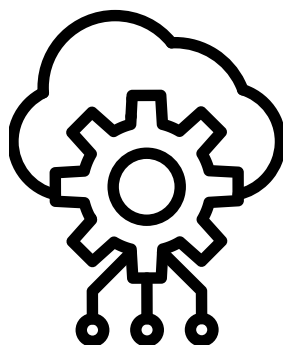
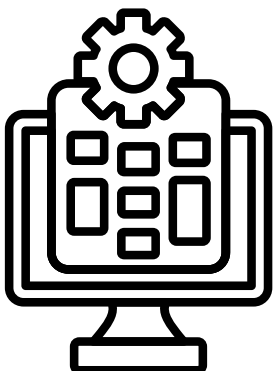
SMART ZONE

- Covers fabrication, pipework, cutting, welding, and assembly
- Includes drawing interpretation and template development
- Focus on safety, quality, and workplace standards
- Training in tools, machinery, materials, and lifting operations
- Prepares learners for work across multiple industrial sectors



BENEFITS OF THIS SHORT COURSE

- Gain job-ready welding skills
- Improve employability in engineering and manufacturing sectors
- Ability to work in production and fabrication environments
- Strong foundation for advanced welding certifications
- Confidence to perform welding tasks safely and efficiently
- Understanding of industry standards and quality requirements
- Opportunity to build a career in a high-demand trade





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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And Health*



Services SETA



Fasset

Make the future count



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QCTO