



OCCUPATIONAL QUALIFICATION: BOILER MAKER

SAQA I.D 93626, Credits 395, NQF Level 04

Career Overview: What do I do for a living?

Boilermakers are field operators that build, install and repair boilers and large tanks. Their responsibilities also include designing and fabrication of boiler components, as well as ensuring their long-term maintenance.

A boilermaker requires a solid set of skills and qualifications that are the result of mandatory boilermaker courses and apprenticeship. These periods of learning and training provide future artisans with essential knowledge of welding and boiler making techniques.

What is the minimum entry level?

Grade 9, Matric (Grade 12) NQF Level 1 with Communication and Mathematical Literacy

Recognition of Prior Learning (RPL):

RPL for access to the external integrated summative assessment: Accredited providers and approved workplaces must apply the internal assessment criteria specified in the related curriculum document to establish and confirm prior learning. A statement of result or certified work experience record must then be issued by the accredited provider or workplace to confirm prior learning.

What can I become?

Plater-boilermaker / Plater-welder / Metal fabricator/ Fabricator / Structural plater / Metal machinist

Where can I work?

Typical employers include:

- Mining and Minerals Industry;
- Chemical;
- Metal, Engineering and related industries
- Factories, petroleum refineries, shipyards
- Construction industry
- Power plants and refineries
- Electrical and atomic power plants
- Government departments
- Public facilities like schools and hospitals

What is the duration of the course?

The Duration is 3 years

A Boilermaker's main duties include:

- Studying blueprints and understanding their specifications
- Operating boiler making equipment and machinery
- Inspecting the condition of structures and materials involved in the building process
- Working with ignition tools and power supplies
- Cutting and welding materials
- Erecting and assembling steel, plate and pipe components, and structures
- Using cutting torches or guillotines
- Using hand tools of various types
- Cleaning and inspecting boilers to ensure their permanent well-functioning
- Repairing or replacing faulty pieces
- Ensuring the maintenance of boiler installations through a variety of pressure tests.

What is the minimum entry level?

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How Much Does a Boilermaker Earn in a Year?

At the moment, the average hourly pay for Boilermakers is R91.42.

Depending on your level of abilities and experience, you can earn between R44 and R150 per hour in addition to which you may also receive a bonus ranging between R3,000 and R38,242 calculated for an entire year. As a student or apprentice, you may earn only the minimum rate at first. However, in time, you can earn an average of R270, 538 per year. The most that you can make within 12 months of working as a Boilermaker in South Africa is R365k, which is well above average wage. However, this may also depend on company salary structures.

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How Much is the tuition fees?

- Registration fees: R1000
- Deposit fess: R5000 (**Includes Course Materials, PPE, Student Card, Assessment fees, Certification fees**)
- Monthly Instalment Fees: R2750