

QUALIFICATION FACT SHEET – PLUMBER

1. Qualification Information

Qualification Title	Occupational Certificate: Plumber
Qualification ID	91782
NQF Level	4
Credits	360
Duration	27 Months, (2 years, 3 months)
Accreditation Body	Quality Council for Trades and Occupations (QCTO)
Training Location	Doornfontein

2. Purpose of the Qualification

The purpose of this qualification is to prepare a learner to operate as a **Plumber**. A Plumber installs, maintains, tests, and repairs hot and cold-water supply systems, drainage systems, and related equipment and fixtures in domestic, commercial, and industrial structures.

Qualified learners will be able to:

- Interpret and use plumbing drawings and specifications.
- Install, test, maintain, and repair plumbing systems and components.
- Apply relevant codes, standards, and regulations to plumbing work.
- Diagnose and repair faults in plumbing systems.
- Apply occupational health, safety, and environmental standards.

3. Exit Level Outcomes

Upon completion, learners will be able to:

1. Interpret plumbing drawings and prepare for installation tasks.
2. Install, maintain, and test water supply, drainage, and sanitary systems.
3. Diagnose faults and repair plumbing systems and equipment.
4. Apply safety, environmental, and quality standards in plumbing tasks.

4. Entry Requirements

- NQF Level 2 with Mathematics and Science.
- Recognition of Prior Learning (RPL) may be applied in line with institutional and QCTO policies.
- Proficiency in English.

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5. Course Modules and Structure

Knowledge Modules – Duration 3 months – Credits 100

- Health, Safety, Quality and Legislation
- Environment, Energy Efficiency and Ethics
- Tools, Equipment, Components and Site Practice
- Drawings and Applied Sciences
- Theory of Water and Drainage Excavation
- Above and Below Ground Drainage Systems
- Sanitary Ware
- Hot and Cold-Water Systems
- Installation and Maintenance Theory for Plumbing Systems

Practical Modules – Duration 9 months – Credits 130

- Install, maintain and test above-ground soil waste and vent systems and sanitary ware appliances
- Install, maintain and test below-ground drainage systems
- Install, maintain and test cold water and hot water systems
- Install, maintain and test rainwater systems, replace components and assemble mechanical sub-assemblies and machines

Work Experience Modules – Duration 12 months – Credits 130

- Processes and procedures for installation and testing of above ground soil waste and vent systems, and sanitary ware appliances
- Processes and procedures for installation and testing of below-ground drainage systems, and performing basic building work
- Procedures and processes for installation and maintenance of cold water and hot water systems
- Procedures and processes for installation and maintenance of rainwater systems

External Integrated Summative Assessment (EISA) readiness, Serial Numbers and EISA – Duration 3 months

- Serial Numbers Application
- Trade Test Preparation
- Trade Test

Total Duration 27 months | Total Credits 360

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6. Progression Opportunities

- Graduates may progress to roles such as Plumbing Supervisor, Site Foreman, or Plumbing Contractor.
- Further academic progression is possible to NQF Level 5 and higher qualifications in Construction Management or related fields.

7. Industries of Application

- Construction and building services
- Residential, commercial, and industrial facilities maintenance
- Municipal water supply and sanitation services
- Plumbing contracting and consulting firms

8. Accreditation and Quality Assurance

This qualification is accredited by the **Quality Council for Trades and Occupations (QCTO)**. Assessment and certification are conducted under the QCTO framework and in compliance with national standards for occupational qualifications.

9. Contact Information

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