



METAL MACHINIST / TURNER

Qualification Purpose

The purpose of this qualification is to prepare a learner to:

- Fabricate, fit, and maintain mechanical components, parts, and machines in accordance with specifications.

Foundational Learning Competence (SAQA Minimum Entry Level)

NQF Level 1 qualification with Mathematics

Trade Test Requirements

Learner should have passed:

- a) N2 Mathematics, Engineering Science, Engineering Drawing, Fitting & Machining Trade Theory
- b) N2 Certificate including the four relevant subjects of maths, engineering science and a fourth subject as required by the trade: or
- c) technical trade theory programs quality assured by a SETA deemed to be equivalent to NQF level 3 (N2); or
- d) Relevant Engineering NCV Certificate with seven subjects at NQF level 3; or
- e) Technical Grade 11 with Maths, Science, Language, and related trade theory subject; or
- f) Relevant (directly related to the trade theory subjects) N6 certificate or National Technical Diploma (T, S or N stream.)

In addition to the above-mentioned minimum educational qualification the applicant must also have:

- a) Successfully completed all off the job practical training unit standards (in the case of learnerships) or modules (in the case of an apprenticeship) of an artisan learning program at an accredited training provider as verifiable by training records (logbook).
- b) Satisfied the requirements of the structured workplace, on the job, learning for a minimum period of 12 months verifiable through a workplace learning record (e.g. logbook) unless any other workplace period has been contractually specified before the date of publication of this Regulation.

Note: A Logbook is a record of all training the learner has received, contributing to their portfolio of evidence.

Skills Obtained as Outcomes

The Metal Machinist is a recognised trade qualification and prepares the person to work effectively in various industries making use of metal engineering machining skills and meet the challenges of such an environment. The primary focus of this qualification is the develop the ability to prepare for, set up and operate a range of engineering machine tools to shape and form metal stock and castings to fine tolerances, using detailed drawings and specifications. Hand skills play a large role in this qualification.

Qualification Outcome

Qualified Machinist (Red seal) Internationally Recognised

Types of Jobs Pertaining to the Trade

- Entrepreneur / Contractor
- as an employee in any of the industries listed

Industries where they can work if qualified.

- Mining
- Manufacturing
- Civil
- Agriculture
- Anywhere where metal machining needs to be done.

Approximate Course Duration

Off the job practical training

- Phase 1 – Duration – 12 Weeks
- Phase 2 – Duration – 12 Weeks
- Phase 3 – Duration – 8 Weeks
- Phase 4 – Duration – 4 Weeks (Revision and Trade Test)

Workplace (on the job) experience

- 18 months. Registered learner with a SETA.
- 3 years ARPL route.

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