

RE-ADVERTISEMENT

TOOL MAKER: MECHANICAL WORKSHOP

Salary Range: R 463 332 – R 545 097 per annum (all inclusive)

NMISA is a Type 3A Public Entity established in accordance with the Measurement Unit and Measurement Standards Act, No. 18 of 2006 (the Act). NMISA is mandated by the Act to provide for the use of the international system of units (the SI) and other measurement units in South Africa, to maintain national measurement standards (NMS) and to determine and ensure the comparability of the NMS. More information can be obtained from www.nmisa.org

PURPOSE OF THE ROLE

NMISA is looking for an expert Tool Maker, to design and/or machine and/or manufacture mechanical components/parts or artefacts for NMISA to assist the laboratories in fulfilling their functions and to support the development of measuring instruments. The incumbent will lead the mechanical workshop and supervise/train others and also schedule jobs and control tools, etc. The incumbent will also be expected to provide technical support within the Applied Metrology Division.

MINIMUM QUALIFICATIONS, SKILLS AND EXPERIENCE

- National Diploma (N4) with Trade Test Certificate
- Resourceful and multi-skilled in all areas of mechanical work
- Computerized Numerical Control competent
- Manual Machining experience
- Appropriate computer-aided design qualification or experience
- Minimum of seven years relevant practical experience
- Operation of high accuracy Lathes, milling machines and other general mechanical workshop machines
- Mechanical design using appropriate computer-aided design for analogue and digital systems to pre-determined specifications
- Operation of control systems using programming and mechanical design experience
- Knowledge of a wide variety of materials and mechanical components
- Up to date with leading edge mechanical components and industrial equipment
- Basic budget planning and control
- Tig welding including aluminium welding
- Must be able to use a Fanuc controller.

RESPONSIBILITIES

- Takes responsibility for Mechanical workshop and supervise/train others
- Perform machining of mechanical parts with the CNC Lathe & Milling machine and other machining tools
- Assist in Design and/or machine mechanical parts and artefacts to pre-determined specifications
- Assist in scheduling and managing work to ensure effective use of workshop facilities, thereby contributing to overall NMISA efficiency

- Assist in purchasing of materials/components for projects, general supplies and cleaning materials and agents
- Assisting the workshop team with all invoices / purchasing and ensures that information relating to the Mechanical Workshop are forwarded to the Manager to ensure the effective management of the workshop budget
- Workshop chores (e.g. machining, sandblasting, sanding, etc.)
- Maintenance and cleaning of workshop machines
- Purchasing and collecting
- Promotes a safety conscious working environment in the Mechanical workshop
- Identifies resources, develops project plans, identifies potential roadblocks and develops contingency plans to deal with them
- Oversees implementation of the project plan
- Comply with the requirements of the NMISA TQMS to ensure process consistency and effectiveness
- Address clients needs (both internal and external) and evaluate longer term solutions to client requests

PERSON SPECIFICATION:

The ideal candidate will possess the following qualities and competencies:

- Deadline conscious
- Enthusiastic and self-motivated
- Good reasoning ability focused on problem solving with independent, proactive action
- Good planning and organising skills with analytical approach to work tasks
- Follow organisational and laboratory rules such as policies and procedures
- Honesty and ethical behaviour is of the utmost importance when delivering on assigned tasks within NMISA
- Ability to function within a team to achieve a common goal

Please note:

The NMISA subscribes to and applies the principles prescribed by the Employment Equity Act. Preference will be given to candidates who meet the requirements and who will add to the cultural and gender diversity of the organisation.

Interested and suitably qualified persons may forward all supporting documentation required (updated CV, certified educational qualifications and certified ID.) when applying for the position email NMISA Human Resource at careers@nmisa.org. Only candidates with all supporting documents will be considered for the position. Clearly indicate which position you are applying for.

Closing date for applications: **11 September 2025**

People with disabilities are encouraged to apply.

Correspondence will be limited to short-listed candidates only. National Metrology Institute of South Africa reserves the right not to appoint. By applying for this position at the NMISA, the applicant understands, consents, and agrees that the NMISA may solicit a credit and criminal report from a registered credit bureau and/or the relevant authority in relation to the position that require trust and honesty and/or entails the handling of cash or finances and may also verify the applicant's educational qualifications and employment history. You voluntarily give NMISA consent to process your personal information, and all the applications will be processed in accordance with the Protection of Personal Information Act 4 of 2013 (POPIA)