

INTERNSHIP: TEMPERATURE (24 MONTHS)

Stipend Range R6 758 – R8 878 per month (differentiated according to level of qualification)

Overview of the organisation

The NMISA is a Type 3A Public Entity established in accordance with the Measurement Unit and Measurement Standards Act, No. 18 of 2006 (the Act). The 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. No Prior work experience is required.

Position

The purpose of the internship is to provide a graduate with a practical training within Temperature Metrology. The successful candidate will support the dissemination of traceability from national temperature standards to industry, contributing to measurement accuracy and supporting South African trade and industry.

Requirements

- BSc Honours degree in Physics or a related technical field
- Knowledge of Programming and laboratory automation as well as Scientific data analysis and simulations
- Strong understanding of Data analysis, uncertainty, and physics-based corrections
- Computer literacy (MS Office)
- Any understanding in the following would be an added advantage:
 - Knowledge of temperature measurement systems
 - Familiarity with ISO/IEC 17025
 - Understanding of the Guide to the Expression of Uncertainty in Measurement (GUM)
 - Scientific publication record and/or international collaboration

Experience

- No prior internship or relevant work experience is required for this position (if you have work experience you will not be considered)

Responsibilities

- Assist with calibration of temperature sensors
- Assist with preparing calibration certificates and uncertainty budgets
- Assist with maintaining accurate job records and documentation
- Support compliance with NMISA's Total Quality Management System (TQMS) and ISO/IEC 17025
- Support laboratory planning, including budgeting and resource inputs

Person specification:

The ideal candidate should have:

- Strong attention to detail and accuracy
- Analytical thinking and problem-solving skills
- Initiative and willingness to learn
- Integrity, reliability, and accountability
- Ability to work independently and within a team
- Creativity and innovative thinking

Please note:

How to apply – please read carefully (non-compliant applications will not be considered):

Email your application to careers3@nmisa.org, using this exact subject line: **“Internship_Temperature”**.

Submit only one application per person for this position. You must attach **FOUR** separate **PDF documents** – do not combine them into one file. Name each file using exactly these labels – CV, ID, Qualifications, Transcript – as “Surname Name – Label”, for example:

- Your CV – e.g. “Mokoena Thandi – CV.pdf”
- A certified copy of your ID – e.g. “Mokoena Thandi – ID.pdf”
- Your qualification certificate(s) – e.g. “Mokoena Thandi – Qualifications.pdf”
- A clean PDF copy of your academic transcript (full record of marks) – e.g. “Mokoena Thandi – Transcript.pdf”

Format rules (applications that do not follow these will not be considered):

- All four documents must be in PDF format. Word documents, photographs, JPEG/image files, and links (Google Drive, OneDrive, Dropbox) will not be accepted.
- Your CV must be a proper PDF created from a document (for example, “Save as PDF” from Word) – not a scan or a photograph – and your full name, cell number and email address must appear at the top of the CV.
- Your academic transcript must be a clean, readable PDF (not a photograph). Applications without a transcript will not be considered.
- Your certified ID and qualification certificate may be scanned, but must be clear, legible PDF

Only applications that include **all four documents, correctly named and in the correct PDF format**, will be considered.

Closing date for applications: 25 August 2026.

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

People with disabilities are encouraged to apply. Correspondence will be limited to shortlisted candidates only. The NMISA 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 positions that require trust and honesty and/or entail the handling of cash or finances, and may also verify the applicant’s educational qualifications and employment history. You voluntarily give the NMISA consent to process your personal information.