

## **INTERNSHIP: TEMPERATURE AND HUMIDITY X2 (12 months)**

**Salary Range (differentiated according to the level of qualification): R 6 070.00 - R 8 050.00 per month**

### **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](http://www.nmisa.org)

### **PURPOSE OF THE ROLE**

The NMISA has an internship opportunity in the Temperature & Humidity laboratory to assist in disseminating traceability from the humidity standards to industry, thereby supporting South African trade.

### **MINIMUM QUALIFICATIONS, SKILLS AND EXPERIENCE**

- National Diploma/ Degree in the following fields: Physics, Electrical or Mechanical Engineering
- Postgraduate qualification will be added advantage
- Knowledge of thermodynamics, matter and relative humidity is required
- Knowledge of humidity and dewpoint will be an advantage
- Knowledge of temperature metrology will be an advantage
- Computer literate, especially proficient in MS Office

### **DUTIES AND RESPONSIBILITIES**

- Assist with the following duties and responsibilities:
- Calibrate measuring equipment such as hygrometers, saturated salts capsules, temperature, and humidity recorders
- Prepare calibration certificates and uncertainty budgets
- Complete job administration to ensure the maintenance of documentation related to completed work
- Recording the ambient temperature and humidity in the laboratory
- Comply with the requirements of the NMISA total quality management system (TQMS) and ISO 17025 standards to ensure process consistency and effectiveness

### **PERSON SPECIFICATION**

The ideal candidate will possess the following qualities and competencies:

- Proactively creating and taking advantage of learning opportunities through active participation by, for example, taking notes and asking questions
- Using newly gained knowledge and skills on the job and learning through their application.
- Strong attention to detail when performing work tasks to avoid errors
- Compliant in order to follow set organisational and laboratory rules such as policies and procedures

- Good reasoning ability for problem solving and independent learning
- Structured and analytical approach to work tasks
- Deadline conscious
- A helpful attitude with a willingness to assist customers and colleagues
- Honesty and ethical behaviour are of the utmost importance when delivering on assigned tasks within the NMISA

**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. The NMISA Human Capital Development programme, which this Internship Opportunity forms part of, is focused on recruiting the following candidates in order of preference: Coloured, African & Indians.

**Interested and suitably qualified persons may forward all supporting documentation required (updated CV, certified academic record, certified educational qualifications and certified ID copy.) when applying for the position, You must email NMISA Human Resource at [careers@nmisa.org](mailto:careers@nmisa.org) Only candidates who have not taken part in an internship programme with all supporting documents will be considered for the position. Clearly indicate which position you are applying for.**

People with disabilities are encouraged to apply.

Closing date for applications: **21 September 2021**

Correspondence will be limited to short-listed candidates only.

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 SAP in relation to positions 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.