

***Are you a quality driven individual?
Do you have a passion for perfection?***

If you answered YES to these questions, you could be just the individual we are looking for.

INTERNSHIP CHEMISTRY GAS ANALYSIS (24 months)

Salary Range (differentiated according to the level of qualification): R 6 758.00 - R 8 878.00 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

Purpose of Role:

To receive training within the Chemical, Materials and Medical Metrology Gas Analysis section comprising theoretical and practical work; to provide support to the section and perform tasks as required by the organisation.

Minimum Qualifications, Knowledge and Experience:

- Three-year tertiary qualification in the field of Chemistry or equivalent qualification
- Postgraduate qualification will be an advantage.
- Basic understanding of gas chromatography and mass spectrometry, as well as other optical spectroscopy techniques, such as infrared spectroscopy;
- Competent in MS Office Software package;
- Good communication skills and report writing skills.

Duties and Responsibilities:

- Assist with maintenance and development of national measurement standards for air pollution monitoring;
- Assist with gravimetric preparation of gas mixtures in accordance with ISO 6142;
- Assist with development of low mole fraction gas mixtures in accordance with ISO 6145;
- Assist with verification of gas mixtures to the highest level of precision using different measurement techniques;
- Assist with purity assessment of high pure source materials using separation and measurement techniques (chromatography, mass spectrometry, ultraviolet and non-dispersive infrared spectroscopy).

The ideal candidate will preferably be a self-starter who is self-motivated and very detail conscious, dependable and will act in an understanding and helpful manner while performing tasks associated with the position. The position also requires being honest and ethical, being pleasant with others and displaying a good-natured, cooperative attitude.

Please note

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. NMISA's Human Capital Development programme, which this Internship forms part of, is focused on recruiting the following candidates in order of preference Females Coloured, African & Indians.

Interested and suitably qualified persons may forward all supporting documentation required (updated CV, certified educational qualifications, certified academic record, 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: **07 July 2023**

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 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. You expressly give NMISA consent to process your personal information stored in our history of all who have applied will be processed in accordance with the Protection of Personal Information Act 4 of 2013 (POPIA)