

***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 (ORGANIC) X1 (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 Role:**

To receive training within the Chemical, Materials and Medical Metrology Organic 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
- Postgraduate qualification will be an advantage
- Knowledge in titrimetry and wet chemistry sample preparation techniques
- Knowledge and use of Gas Chromatography coupled to Flame Ionisation Detector
- Proficient in the use of Microsoft Office tools: MS Excel, MS Word and MS PowerPoint
- Good verbal communication and report writing skills
- Knowledge and application of statistics for analytical chemistry

#### **Duties and Responsibilities:**

- Assist with gravimetric and volumetric preparation of forensic blood alcohol and sodium fluoride reference materials according to ISO 17025 and 17034 accredited procedures
- Assist with the titrimetric assays of these reference materials
- Assist with headspace gas chromatographic assays of these reference materials
- Assist with hazardous chemical waste management and laboratory housekeeping
- Assist with maintenance of reference material production facilities, equipment, and instrumentation

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: 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](mailto: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: 03 August 2021**

People with disabilities are encouraged to apply.

Correspondence will be limited to short-listed candidates only.

By applying for this position at NMISA, the applicant understands, consents and agrees that 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.