

***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.

JUNIOR SCIENTIST: DOSIMETRY

Salary Range R424 708.09 to R530 885.12 per annum (all inclusive)

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

The Position

The successful candidate will be required to maintain National Measurement Standards for ionising radiation and disseminate traceability from these standards to industry, thereby supporting South African trade

Minimum Qualifications, knowledge and Experience

- An Honour's degree in Physics is a minimum requirement
- At least One (1) year's working experience in an ionising radiation field (Dosimetry and/or physical nuclear applications)
- Working experience in the calibration of relevant equipment used in the nuclear industry/radiation field.
- Proven hands-on experience in using and calibrating equipment used in dosimetry measurements will be an added advantage.
- Computer literacy, MS Office, working experience in programming will be an added advantage
- Experienced in producing accurate scientific reports
- Working knowledge of the total quality management system (ISO/IEC 17025 will be an added advantage)
- Understanding of statistical applications in measurements. Understanding of the Estimation of Uncertainty and preparing of uncertainty budgets will be an added advantage.

Responsibilities:

- Maintenance of measurement standards and disseminating traceability to industry through calibration of measuring equipment relevant to areas of responsibility
- Assist to develop new and/or improve measurement capabilities in dosimetry measurements
- Requisite expertise and competencies established and maintained according to internationally acceptable standards

- Liaise with international NMI's and perform international comparisons as relevant to the areas of responsibility to maintain the confidence in the equivalence in capabilities between National Metrology Institutes
- Keeping abreast with international developments in Dosimetry and/or neutron dosimetry and forestall with the standards in line with the needs of the South African community for radiation dosimetry.
- Client liaison, quotations and problem solving to ensure the dissemination of relevant information and effective contract review.
- Actively participate in regional and international forums to ensure global competitiveness.
- Writing of procedures in the areas of responsibility
- Ensure that all scientific reporting is accurate.
- Maintenance of personal training file to ensure ongoing record of competence.
- Comply with the requirements of the NMISA TQMS to ensure process consistency and effectiveness.

Person Specification:

We are looking for a dynamic, positive thinking individual, who has the ability to manage complexity, attentive to details and meticulous during measurements, documentation and reporting. A unique individual with strong need for compliance to ensure strict adherence to relevant policies, procedures and safety regulations within the laboratory environment and the organisation. Independence and pro-activeness in order to plan and direct own work activities and meet the full requirements of the position at an acceptable level. The candidate must have the ability to work both as part of a team and independently.

Please note:

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. NMISA is focused on recruiting the following candidates in order of preference: Coloured, Indian and African.

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

People with disabilities are encouraged to apply

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

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 SAPS 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. More information contact Human Resources telephone number (012) 841 4152/2254