

The University of KwaZulu-Natal (UKZN) is committed to meeting the objectives of Employment Equity to improve representivity within the Institution.

COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE

PRINCIPAL TECHNICIAN (SCIENTIFIC COMPUTING)

(PEROMNES GRADE 8)

**SCHOOL OF MATHEMATICS, STATISTICS AND COMPUTER SCIENCE
WESTVILLE CAMPUS**

REF NO.: MSCS03/2016

The incumbent will provide high level technical expertise and will be responsible for administering, configuring, deploying, maintaining, tuning and troubleshooting multiple cross-platform servers, workstations and associated software, network services and technologies in use by the School, ensuring the efficient running of the School's postgraduate teaching and research computing laboratories and associated computing infrastructure.

In addition, s/he is to provide expert consulting and technical support to the academic staff and postgraduate students in the School and will be expected to identify and introduce innovative methods to continually and reliably improve and upgrade efficiency of current systems. S/he will constantly keep up to date and research and evaluate new technologies. As the need arises, the incumbent will be responsible for the design, prototyping, rollout and testing of new and innovative systems, software environments and computing platforms for teaching and research.

As a senior member of the technical team, s/he will need to oversee the implementation of various projects, and will also be expected to react to, and assist with the investigation, diagnosis and resolving of complex technical issues and requests involving a wide spectrum of specialised hardware, network, and software solutions across the School.

S/he must have excellent technical knowledge coupled with problem solving and diagnostic skills. A high level of competence with computer hardware and software across various platforms is essential, together with a high level of understanding of IP networked environments including configuring various IP network services and associated technologies. S/he will utilise his/her LINUX/UNIX experience, relevant programming/scripting experience, as well as exposure to server virtualisation infrastructure and storage area networks in executing his/her duties. The full range of duties and functions is described in detail in the job profile.

The incumbent may infrequently be required to travel amongst the different campuses to provide the required support.

The incumbent will report to the Manager: Technical Operations.

Minimum Requirements:

- A degree in Computer Science, Computer Engineering or related field
- A minimum of 5 years relevant work experience which includes, inter alia,
- At least 2 years in a senior role, and
- At least 2 years work experience in a LINUX/UNIX environment
- Exposure to server virtualisation infrastructure and storage area networks
- Knowledge of administering a heterogeneous network using any one of AD, eDirectory, LDAP, NIS, or similar
- Hands-on technical competence and proven troubleshooting and configuration of hardware and software on various computing platforms including desktop, workstation, server, SAN, network, and cluster environments
- Experience in the compilation and installation of opensource libraries and code
- Programming experience in any of C, C++, C#, JAVA, PYTHON, PERL, PHP, RUBY or

- related programming or script language
- Exposure to an RDBMS (e.g. MySQL, PostgreSQL, SQL Server, Oracle, Informix, or Sybase)
- Solid understanding of IP networking and experience in configuring various IP network services and associated technologies such as firewalls, PXE etc

Short-listed candidates may be required to undergo a skills test

Enquiries and details regarding this post, as well as requests for a job profile, may be directed to Manager: Technical Operations, Mr L Els at els@ukzn.ac.za.

Appointment to this post will be on the January 2012 Conditions of Service

The total remuneration package offered includes benefits.

The closing date for receipt of applications is 01 July 2016

Applicants must complete the relevant application form which is available on the Vacancies website at www.ukzn.ac.za. Completed forms should be submitted to Recruitment-aes@ukzn.ac.za. The Advert Reference Number MUST be clearly stated in the subject line.