



SENIOR SYSTEMS ENGINEER

Information & Cyber Security Team

ENTERPRISE INFRASTRUCTURE SERVICES

INFORMATION & COMMUNICATION TECHNOLOGY

Are you experienced in providing intermediate technical support for business-critical services and/or infrastructure and have project management experience in a progressive ICT environment, with a strong customer focus and a demonstrable track record of innovative thinking, project-based delivery and productive interactions across multiple teams? Information and Cybersecurity Team in the Enterprise Infrastructure and Services division seeks a Senior Systems Engineer to develop infrastructure and services through project work, design, maintain and manage complete systems, support ICT systems, services and infrastructure and provide technical leadership in a complex and heterogeneous systems and infrastructure environment. This is a role which plays a critical part in ensuring that UCT derives value from its investment in IT infrastructure and reports to a senior manager.

Responsibilities include:

- Providing highly technical support for business-critical services, systems and/or infrastructure
- Designing, maintaining, managing and developing one or more business-critical ICT systems and/or infrastructure service components
- Developing and implementing infrastructure, systems and services through project work
- Providing technical leadership for one or more system and/or infrastructure service components
- Monitoring the university's network for information / cybersecurity issues
- Investigating information / cybersecurity breaches and incidents
- Implementing information / cybersecurity measures to protect computer systems, networks and data.
- Implementing network disaster recovery plans
- Performing risk assessments and installing information / cybersecurity measures (e.g. firewalls, data encryption)
- Recommending information / cybersecurity enhancements

Minimum requirements include:

- Relevant qualification at NQF level 6 and/or 5 years' experience in enterprise ICT applications and infrastructure of which 3 years must be relevant current technical hands on experience

Required non-technical skills include:

- Ability to prioritise and manage work under pressure.
- Excellent written and spoken communication skills.
- A strong customer service ethic.
- Ability to work as part of a team
- Analysis and problem-solving ability

Required Technical skills and competencies

- Understanding of Information and Cybersecurity technologies, processes and procedures.
- Intermediate experience in Incident Response and/or IDS monitoring, and an understanding of attacks and the threat landscape
- Intermediate knowledge and experience in implementing and configuring enterprise antivirus solutions (server and Desktop)
- Fundamental knowledge and experience in vulnerability management
- Working knowledge and experience of Digital Forensic practices and readiness strategies
- Working knowledge and experience of SIEM toolsets
- A foundation of network and security skills with fundamental operating system knowledge (Windows/Linux)
- Good understanding of the business relevance of information risks and the current trends and developments in information security
- Working knowledge of two or more security technologies e.g.
 - identity management, protective monitoring, encryption, cloud security, network security, application security, DLP (data loss and prevention) etc.
- Working knowledge of providing security architecture guidance to systems and infrastructure implementers and developers
- Good understanding of information security and forensics methodologies (ISO, NIST, etc.)

Advantageous Skills

Relevant technology certifications and/or a qualification at NQF 7 and/or relevant experience in Higher Education is advantageous.

- Management of IT security and IT risk across Enterprise.
- Reports on findings and recommendations for corrective actions.
- Industry-recognised certifications e.g. CISA, CISSP, OSCP
- Working understanding of applicable legislation (security and privacy)

The annual remuneration package, including benefits, is between R443134 and R521333

To apply, please e-mail the below documents in a **single PDF file** to: icts-jobs@uct.ac.za

- Application Form
- Cover letter, and
- Curriculum Vitae (CV)

Please ensure the title and reference number are indicated in the subject line.

An application which does not comply with the above requirements will be regarded as incomplete. Only shortlisted candidates will be contacted and may be required to undergo a competency test

Telephone: 021 650 3012

Website: www.icts.uct.ac.za

Reference No: E90238

Closing Date: 13 March 2019

UCT is committed to the pursuit of excellence, diversity and redress in achieving its equity targets. Our Employment Equity Policy is available at <http://www.uct.ac.za/downloads/uct.ac.za/about/policies/eepolicy.pdf>.

UCT reserves the right not to appoint.