

VACANCY ANNOUNCEMENT

Position: Tutor – Computer Networking

Duty Station

Nyamirembe, Chato, Geita

Position Summary

The institution is seeking a qualified and experienced **Tutor – Computer Networking** to deliver competency-based theoretical and practical training in computer networking, network administration, cybersecurity, cloud networking, and network automation. The successful candidate will teach, supervise laboratory practicals, maintain networking laboratories, and support curriculum development, student projects, and industry engagement.

Minimum Qualifications

Applicants must possess:

- A **Bachelor's Degree** in Computer Networking, Computer Engineering, Information Technology, Computer Science, Telecommunications Engineering, Communication Systems Engineering, Electrical Engineering, or a related field;

OR

- A **Diploma, Full Technician Certificate (FTC), or VETA qualification** in Computer Networking, Information Technology, Telecommunications, Computer Engineering, or a related discipline **with at least five (5) years of relevant industrial experience**.

Professional certifications such as **Cisco CCNA/CCNP, CompTIA Network+, MikroTik, Juniper, Huawei HCIA/HCIP, Microsoft, Linux**, or equivalent certifications will be an added advantage.

Key Responsibilities

The successful candidate will:

- Deliver lectures, tutorials, laboratory practicals, and workshops.
- Prepare lesson plans, laboratory manuals, and instructional materials.
- Supervise student projects and industrial attachments.
- Configure, maintain, and troubleshoot networking laboratories.
- Participate in curriculum development and continuous quality improvement.
- Assess student performance and provide academic guidance.
- Support research, innovation, and consultancy activities.
- Promote safe and professional laboratory practices.

Required Technical Competencies

Network Fundamentals

- Computer network architecture
- OSI and TCP/IP models
- IPv4 and IPv6 addressing
- Ethernet technologies
- LAN, WAN, MAN, PAN, WLAN
- Network standards

Routing and Switching

- Cisco IOS fundamentals
- Static and dynamic routing
- RIP, OSPF, EIGRP, BGP (basic)
- VLANs
- Inter-VLAN routing
- STP
- EtherChannel
- ACLs
- NAT and PAT
- DHCP
- DNS

Wireless Networking

- Wi-Fi standards (802.11)
- Wireless LAN configuration
- Wireless security
- Access point deployment
- Wireless site surveys

Network Security

- Firewalls
- VPN technologies
- Network access control
- Intrusion Detection and Prevention Systems (IDS/IPS)
- AAA authentication
- Secure network design
- Basic ethical hacking concepts
- Cybersecurity best practices

Cloud Networking

- Cloud networking fundamentals
- Virtual Private Cloud (VPC)
- Hybrid networking
- Network connectivity in AWS, Microsoft Azure, or Google Cloud
- Cloud security fundamentals

Network Virtualization

- Virtual LANs
- Software Defined Networking (SDN)
- Network Functions Virtualization (NFV)
- Virtual networking using VMware or Hyper-V

Network Automation

- Python scripting for networking
- Network automation fundamentals
- REST APIs
- Ansible basics
- Network programmability

Linux and Server Administration

- Linux networking
- Windows Server networking
- DNS server
- DHCP server
- Active Directory basics
- File and print services

Fiber Optic and Structured Cabling

- Copper cabling standards
- Fiber optic technologies
- Cable testing
- FTTH fundamentals
- GPON basics
- Structured cabling systems

Network Monitoring and Troubleshooting

- Wireshark
- Network performance analysis
- Packet capture
- Fault diagnosis
- Preventive maintenance

Databases

- Database fundamentals
- SQL basics
- Database connectivity in network applications

Programming

Knowledge of one or more of the following:

- Python (preferred)
- C++
- Bash scripting
- PowerShell

Simulation and Engineering Software

Experience with one or more of:

- EVE-NG
- VMware Workstation
- VirtualBox
- MATLAB (optional)

Laboratory Equipment

Practical experience using:

- Routers
- Managed switches
- Wireless access points
- Fiber optic tools
- Network cable testers
- Patch panels
- Rack equipment
- Crimping and termination tools

Desired Competencies

- Strong communication and presentation skills.
- Ability to deliver competency-based practical training.
- Excellent troubleshooting and analytical skills.
- Ability to supervise networking laboratories safely.
- Commitment to continuous professional development.
- Teamwork, integrity, and professionalism.

Salary and Benefits

This is a private institution. Remuneration will be offered in accordance with the institution's approved salary structure, which is **benchmarked against the Tanzania Government Service (TGS) Salary Scale**, taking into account the candidate's qualifications, experience, and responsibilities of the position

Application Procedure

Interested candidates should submit:

- Curriculum Vitae (CV)
- Copies of academic and professional certificates

To: **careers@rct.ac.tz**

If you do not receive an acceptance reply message from us in two days, please re-submit your application.