Candidate Information

Position: Network Engineer
School/Department: Digital and Information Services
Reference: 26/113754
Closing Date: Monday 7 December 2026
Salary: £42,972 - £51,270 per annum.
Anticipated Interview Date: Tuesday 12 January 2027
Duration: Permanent

JOB PURPOSE:

To work in the Network Group within the Digital & Information Services Directorate in support of the University's teaching, learning, research and administration activities, through the development and support of its data communication network.

MAJOR DUTIES:

1. Work as part of a team to identify, develop, implement, and support, computer / network systems and solutions, to provide an integrated range of high-quality services, to facilitate the University's administrative, research, learning and teaching objectives.
2. Configure, manage, and troubleshoot the University's corporate firewalls and other security services, including dns, radius, vpns and remote access solutions.
3. Assist with the design, implementation and support of Network & Security solutions across the University environment.
4. Provide 2nd/3rd line support for Network security issues.
5. Assist with Network security incidents and troubleshooting.
6. Participate and adhere to the University's change management processes.
7. Manage and oversee corporate domain purchases and renewals.
8. Provide technical expertise and innovation within the Network Group.
9. Contribute to collaborative projects with other Groups and Divisions, working in multi-disciplinary project teams.
10. Administer, develop, and secure, Network services critical to the operation of University's local or cloud based networks.
11. Inter-work with Janet and other regional and international organisations.
12. Act as a member of the Computer Emergency Response Team.
13. Advise on the cost/benefit of new and existing technologies.
14. Provide specialist/professional expertise within specific areas.
15. Participate in activities to facilitate major service, policy, and operational changes with broad University impact.
16. Contact with other areas of the University to develop new and improved processes and support systems and services.
17. Maintain links with professional and specialist bodies or groups.
18. Such other duties as may be required, which fall within the general remit of the post.

ESSENTIAL CRITERIA:

1. Degree in Electronic Engineering, Computer Science, or equivalent.
2. Substantial relevant experience managing a network and security infrastructure in a large university or commercial network environment.
3. Must demonstrate a good working knowledge and practical experience of network technologies. In particular:
   - Switching/Routing (LAN & WAN).
   - Palo Alto, Juniper, Fortinet Firewalls (or other Enterprise Firewalls).
   - InfoBlox IPAM Grid, (or other IP Address management services).
   - VPN technologies – IPsec, SSL.
   - Cloud technologies – eg: Azure, Oracle etc.
4. Demonstrable ability to design and integrate solutions using modern network and security technologies at the enterprise level.
5. Experience of scalable network architecture design, route dissemination, high availability design and address management.

6. Experience of supporting and managing network visibility, management, and control systems.
7. Experience of administering UNIX/LINUX and other network systems.
8. Knowledge of patch and version management for appliances and systems.
9. Must be able to understand new technologies quickly and initiate innovative solutions.
10. Must be able to communicate effectively with, and influence, a wide range of professionals, customers, and consultants.
11. Must be able to evaluate conflicting demands and make judgements affecting important projects and services.
12. Interest in emerging network and security technologies.
13. Must demonstrate ability to communicate technical information to colleagues and non-technical users of all grades with clarity and effectiveness.
14. Ability to negotiate with external contractors and product suppliers.
15. Ability to convey ideas clearly and effectively.
16. Ability to work well with others.
17. Ability to perform well with minimal supervision.
18. Ability to work well under pressure.
19. On site attendance required for the majority of duties (circa 80% on-site).
20. Occasional work in the evening and at weekends, at such times to be arranged by consultation to meet the needs of the University.

DESIRABLE CRITERIA:

1. Relevant professional qualifications such as CCNA, CCNP, CISSP, PCNSA, PCNSE, Infoblox DDI, DNSSEC.
2. MSc / MEng in a relevant Computing or Engineering discipline.
3. MIEE / BCS Professional / Chartered Membership or equivalent.
4. Working knowledge of a unified communications infrastructure and broad IT Infrastructure technologies e.g. virtualisation, hybrid cloud and automation.
5. Experience of Enterprise class Network Management Systems.
6. Demonstrate a good working knowledge and practical experience of:
   - Data Centre Networking.
   - Cloud Networking.
   - Wireless Networking.
   - Enterprise VOIP provision.
7. Experience of substantial project management in a large university or commercial network environment.
8. Experience in providing high quality customer service, delivering on demanding service levels, and assuring business continuity in a large university or commercial network environment.

ADDITIONAL INFORMATION:

Informal enquiries can be directed to:

Eamon Donaghy - e.donaghy@qub.ac.uk.