

Candidate Information

Position: Network Engineer (Security & Services)
School/Department: Digital and Information Services
Reference: 24/111579
Closing Date: Monday 5 February 2024
Salary: £37,841 - £45,148 per annum.
Anticipated Interview Date: Friday 16 February 2024

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. Working as part of a team to identify, develop, implement, and support computer and network systems and solutions to provide an integrated range of high-quality services in support of the University's administrative, research, learning and teaching objectives.
2. Managing the Corporate firewalls and other security functions.
3. Provide technical expertise and innovation in the Network Group.
4. Participating in project teams engaged in development work.
5. Participating in collaborative projects with other Groups and Divisions.
6. Identifying, developing, and implementing secure computer and network systems and solutions to provide an integrated range of high-quality services in support of the University's administrative, research, learning and teaching objectives.
7. Identifying, developing, and implementing secure computer and network systems and solutions to provide an integrated range of high-quality services in support of the University's administrative, research, learning and teaching objectives.
8. Administering and secure cloud & central network and related computer systems for the University.
9. Administrator, develop and secure network services critical to the operation of enterprise networks local or cloud based.
10. Inter-working with Janet and other regional and international organisations.
11. Supporting the establishment and development of high-quality enterprise infrastructures.
12. Acting as a member of the Computer Emergency Response Team.
13. Such other duties as may be required, and which fall within the general ambit of the post.
14. Advise on the cost/benefit of new and existing technologies.
15. Provide specialist/professional expertise within specific areas.
16. Participate in activities to facilitate major service, policy, and operational changes with broad University impact.
17. Contact with other areas of the University to develop new and improved processes and support systems and services.
18. Provide specialist/professional expertise within specific areas.
19. Contribute to resource and budget management.
20. Maintain links with professional and specialist bodies or groups.

ESSENTIAL CRITERIA:

1. Degree in Electronic Engineering, Computer Science, or equivalent.
2. Must demonstrate a good working knowledge and practical experience of network technologies. In particular:
 - Switching/Routing (LAN & WAN).
 - Palo Alto Firewalls (or other Enterprise Firewalls).
 - InfoBlox IPAM Grid, (or other IP Address management services).
 - VPN technologies.
3. Relevant experience in managing a network and security infrastructure in a large university or commercial network environment.

4. Substantial relevant experience in managing and network and security infrastructure in a large university or commercial network environment.
5. Demonstrable ability to design and integrate solutions using modern network and security technologies at the enterprise level.
6. Experience of scalable network architecture design, route dissemination, high availability design and address management.
7. Experience of supporting and managing network visibility, management, and control systems.
8. Experience of administering UNIX/LINUX and other network 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. On site attendance required for majority of duties (circa 80% on-site).
14. Occasional work in the evening and at weekends, at such times to be arranged by consultation to meet the needs of the University.
15. Must demonstrate ability to communicate technical information to colleagues and non-technical users of all grades with clarity and effectiveness.
16. Ability to negotiate with external contractors and product suppliers.
17. Patch and version management of appliances and systems.
18. Communication: The ability to convey ideas clearly and effectively.
19. Teamwork - Work well with others.
20. Self-Motivation - Drive to perform well without external pressure.
21. Working under pressure.
22. Flexible hybrid working.

DESIRABLE CRITERIA:

1. CCNA, CCNP, ECNA, CISSP, CISP.
2. Hold or be about to obtain relevant professional qualification such as CCNA, CCNP, ECNA, CISSP.
3. BCS Professional / Chartered Membership or equivalent.
4. Recognised Industry Accreditations.
5. Working knowledge of a unified communications infrastructure and broad IT Infrastructure technologies e.g., Virtualisation and Hybrid Cloud.
6. Experience of substantial project management in a large university or commercial network environment.
7. Experience of Enterprise class Network Management Systems.
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.
9. Demonstrate a good working knowledge and practical experience of:
 - a) Data Centre Networking.
 - b) Cloud Networking.
 - c) Wireless Networking.
 - d) Enterprise VOIP provision.
10. Knowledge of cloud networking architecture, virtualization, and automation.
11. Mostly on campus