



## Person Specification

This form lists the essential and desirable requirements needed in order to do the job.

Applicants will be shortlisted **solely** on the extent to which they meet these requirements.

**Job title:** Network Specialist

**Department/Division:** DTS

**Accountable to:** Head of Networks

Competency	Criteria	E/D
<b>Knowledge and Experience</b>	Experience of running an enterprise class network service.	E
	Experience of designing new, or substantially upgrading, network topologies and services.	E
	Cisco networking (CCNP) or similar qualifications.	D
	Experience of configuration, management and support of network infrastructure: eg, firewalls, data centres, routers and switches, wireless networks.	E
	Experience of configuration, management and support of network services: eg, DHCP, DNS, IP address management, VPNs, Network Access Control (NAC), RADIUS/TACACS+, Syslog, NTP.	E
	Experience of configuration, management and support of network management systems and tools.	E
	Evidence of ability to quickly acquire knowledge of new technologies, systems and services.	E
	Experience of writing technical operational documentation.	E
	Knowledge of protocols in the Internet Protocol Suite: eg, TCP; UDP; ICMP Knowledge of routing protocols.	E
	Knowledge of IPv6 and multicast routing and streaming: eg, PIM, IGMP, MSDP.	D
Knowledge of link layer technologies and protocols: eg, Ethernet; speed/duplex negotiation; PoE; spanning tree; LACP.	E	
Knowledge of the technologies to facilitate transport of converged voice, video and data communications services over	D	



	<p>a common infrastructure.</p> <p>Knowledge of techniques and technologies for network management and troubleshooting.</p> <p>Experience of managing Linux servers and deployment of open-source tools.</p> <p>Experience with writing programs in scripting languages, such as Python and Bash.</p> <p>Knowledge of installation, testing and troubleshooting standards and practice for copper and optical fibre communications cabling.</p> <p>Knowledge and awareness of current malware issues and techniques for protecting networks against such threats.</p> <p>Good general IT skills, including experience of Microsoft Windows, Microsoft Office software suite including Visio.</p> <p>Knowledge of best-practice service management and project management.</p>	<p>E</p> <p>D</p> <p>D</p> <p>E</p> <p>D</p> <p>E</p> <p>E</p>
<b>Communication</b>	<p>Ability to communicate complex ideas and technical issues to a range of different non-technical audiences.</p> <p>Good interpersonal and communications skills which create a draw for the services of the team.</p> <p>Experience of communicating with internal colleagues, 3<sup>rd</sup> party suppliers and external bodies.</p>	<p>E</p> <p>D</p> <p>D</p>
<b>Teamwork and motivation</b>	<p>Role model enthusiasm and energy about their work and encourage others to do the same.</p> <p>Experience of a positive approach to working within a team and developing and mentoring team members.</p>	<p>E</p> <p>D</p>
<b>Planning and organising</b>	<p>Ability to independently manage maintenance projects through creating appropriate project plans and regularly updating documentation and team members.</p> <p>Ability to provide resource plans and ensure work is adequately planned.</p> <p>Experience of participating in annual operational planning.</p>	<p>E</p> <p>E</p> <p>D</p>
<b>Liaison and Networking</b>	<p>Able to be a provide consultancy as a subject matter expert for business change or Capital Development projects managed by</p>	<p>E</p>



	<p>Business Units or the Business Improvement Unit.</p> <p>Able to build connections and engagement with key colleagues across the school.</p> <p>Experience of seeking engagement with colleagues across the school to understand drivers, issues and pain points.</p> <p>Experience of managing relationships with services providers.</p>	<p>E</p> <p>D</p> <p>D</p>
<b>Leadership</b>	<p>Ability to provide technical leadership within the team as a mentor and consultant.</p> <p>Ability to contribute to strategic planning and architectural standards for network services.</p>	<p>E</p> <p>D</p>
<b>Initiative and Problem Solving</b>	<p>Ability to operate independently and resolve unexpected situations.</p> <p>Experience in identifying and managing major incidents affecting critical services.</p> <p>Ability to identify where improvements to process can be made. Seeks understand where process is mandatory and where opportunities to vary exist.</p> <p>Experienced in identifying and resolving thematic issues and proactively using data for insight and metrics to continually improve the service.</p> <p>Good attention to detail.</p>	<p>E</p> <p>E</p> <p>E</p> <p>D</p> <p>E</p>

**E – Essential: requirements without which the job could not be done.**

**D – Desirable: requirements that would enable the candidate to perform the job well.**