



Job title	Enterprise Architect (Network and Communication)	Job family and level	Administrative, Professional and Managerial Level 6
School/ Department	Digital and Technology Services	Location	Jubilee Campus

Purpose of role

The **Enterprise Architect (Network and Communication)** is a senior technical leader responsible for designing, evolving, and governing the network foundations and unified communications (UC) systems that enable reliable, secure, and high-performing delivery of IT services. This role translates business and application requirements into scalable, converged network architectures across on-premises, cloud, and hybrid environments. The role ensures that IT and communication systems are robust, scalable, disaster-proof, and flexible to meet global organizational needs while aligning with the broader Information Security Strategy.

The **Enterprise Architect** is a senior member of the department providing digital consulting advice and design authority for the network and unified communications (UC) domains. The role ensures that the university's network infrastructure is robust, secure, and scalable, translating business requirements into future-state architectures and technology investment roadmaps

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	Enterprise Domain Architecture - Publish and maintain reference architectures and patterns (routing, segmentation, and UC connectivity patterns) to ensure consistent adoption across the enterprise - Define the target state architecture for the network and unified communications (VoIP, telephony, and mobile infrastructure) - Create multi-year modernisation and investment roadmaps (e.g., SD-WAN, Zero Trust, and UC migration) - Set the architecture direction for the network and UC domains, developing current and future state models. - Maintain technology lifecycle roadmaps (e.g., SD-WAN, VoIP, 5G) to support strategic investment planning and remediate technical debt	40%
3	Technical Leadership & Design Authority: Consult with stakeholders to provide actionable recommendations for complex issues. Provide design authority for architecturally significant projects, reviewing and approving designs for alignment with standards	30%

	- Technology Lifecycle & Vendor Management: Lead technical evaluations for procurement (RFPs) and manage the lifecycle of network and UC hardware/software to remediate technical debt - Provide design authority for architecturally significant projects, reviewing and approving designs to ensure alignment with standards. Establish and improve governance operating models to provide design delivery assurance	
4	Project Architecture and Technical Leadership - Create the network architecture vision for specific programs, ensuring alignment with digital strategy. Coordinate technical input for procurement and large third-party contracts from requirement through to selection. - Security Architecture & Converged Connectivity: Assure the cyber-security needs of the business by designing secure connectivity (VPNs, IPsec) and segmentation models aligned to Zero Trust principles for both data and communication traffic	20%
6	Continuous Improvement & Mentoring: Contribute to the architecture community of practice. Mentor network engineers and guide teams through governance and assurance processes	10%

Person specification

	Essential	Desirable
Skills	▪ Leadership & Communication: Constructively consults with stakeholders; communicates effectively using verbal, written, and visual modelling techniques. Technical: End-to-end network design; Expert routing/switching; Unified Communications (telephony, mobile) ▪ End-to-end network design; expert Knowledge of routing/switching (BGP/OSPF) ▪ Unified communications (telephony, mobile infrastructure); ▪ Cloud networking (AWS/Azure) ▪ Large multisite Wi-Fi design and deployments ▪ Ability to work with and develop lasting partnerships with third party network service and delivery partners	• Network automation/IaC (Terraform, Python); Data center fabric design (Leaf-Spine); SD-WAN implementation • Leads cross-functional teams; • Experience producing strategic business cases for major technology investments
Knowledge and experience	• Proven experience in a specialist architect role within a large and complex organisation. Experience designing solutions using complex hybrid and cloud architectures • Experience designing and overseeing the modernisation of legacy network architectures that span multiple sites of operation • Substantial experience in enterprise network architecture in large, complex organisations; designing hybrid cloud and converged communications architectures	• Higher Education sector experience; familiarity with UCISA frameworks; experience with global organizations (e.g., presence in China)
Qualifications, certification and training (relevant to role)	• Educated to degree level <i>and/or</i> equivalent; significant industry experience in design leadership	• Professional certifications such as CCDE, CCIE, CISSP, or AWS/Azure Solutions Architect • Certification in industry methodologies such as TOGAF, ITIL4, or Prince2. Expert certs like CCDE or CCIE
Statutory, legal or special requirements	• Compliance with data privacy (e.g., GDPR) and telecommunications regulations	



Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

Valuing people	Understands that it is essential to provide a structure that people can thrive in. Knows how to communicate with people to create a healthy working environment and get the best out of people.
Taking ownership	Communicates vision clearly, providing direction and focus. Knows how to create a productive environment where people are inspired and can work cross-departmentally in partnership.
Forward thinking	Has the ambition to be a pioneer in own area, anticipating the future change, needs and challenges. Knows how to innovate within their work context and champions others to be inspired to be part of this ambition
Professional pride	Keeps up to date on latest thinking, trends and work practices. Supports team to be thought leaders; willing to challenge if obstacles get in the way.
Always inclusive	Establishes far reaching partnerships, well beyond own area across a broad range of networks. Understand role to pay due regard to the needs of the whole community.

Key relationships with others

