



Job title	Senior Engineer	Job family and level	Technical Services, Level 4
Department	Bio-Support Unit (BSU)	Location	All BSU sites

Purpose of role

To assist in the management, maintenance and optimisation of the performance of heating, ventilation and air-conditioning (HVAC) and associated systems across all BSU sites. To ensure that the BSU continues to deliver its core functions whilst contributing to a strategy to create a world-class facility for the future.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	<p>Leadership/management</p> <ul style="list-style-type: none"> ▪ To supervise programmes of work to achieve the key objectives of the role. To ensure the team has the appropriate competencies, skills and working methods to deliver. ▪ Use knowledge and experience to provide specialist technical expertise and applying judgement to make decisions in support of the delivery of a quality service standard and to ensure achievement of service requirements. ▪ To provide technical advice on HVAC and associated mechanical engineering infrastructure and equipment replacement which aligns with the BSU's current and future operational requirements. ▪ To provide excellent service delivery by ensuring PPM tasks and reactive works are completed within contractual Service Level Agreements to meet KPIs and to monitor completion of tasks. ▪ To manage condition surveys, capability/performance data collection and in the evaluation of condition against set industry standards and present findings. ▪ To ensure all relevant assets are logged into an asset management system and prioritised against business risk; assist in the development of an asset replacement plan. ▪ Assist with emergency situations. ▪ Carry out any other reasonable duties in line with the role. 	50 %
2	<p>Technical & compliance</p> <ul style="list-style-type: none"> ▪ To provide authoritative expertise, advice, and guidance to colleagues on all aspects of the operation of plant services including statutory compliance, planned & reactive maintenance within a close-control commercial occupied environment, and capital development. ▪ Assist in the management and maintenance of key building services assets, systems, and specialist providers. Provide competent advice and offer solutions to high integrity, high risk, and very often complex 	25 %

	<p>systems including pressure systems, refrigeration systems, local exhaust ventilation, laboratory and medical gas systems, and ventilation. Other mechanical assets and systems as required.</p> <ul style="list-style-type: none"> ▪ To assist in determining compliance standards and ensure that services are maintained and operated in compliance with such agreed standards. ▪ As required, ensure reinstatement of services with minimal business impact in the event of plant failure; ensure all health and safety and statutory compliance standards are met. ▪ As required, to assist in thorough analysis and reviews of any failures across the BSU estate and, working with colleagues, put in place actions to prevent recurrence of major incidents or events. Carry out proactive reviews to identify operational risk and manage accordingly. ▪ To perform an out-of-hours on-call service on a rota basis. 	
3	<p>Project, supplier, and contractor management</p> <ul style="list-style-type: none"> ▪ Monitor and oversee the management of staff and contractors for allocated projects, to ensure correct standards and quality of work, agreed time frame and within the allocated budget. ▪ To work with, and assist where required, colleagues in the reviewing of contractor performance and providing feedback. 	25 %

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> ▪ Ability to set programs and work to deadlines. ▪ Ability to manage projects. ▪ Ability to communicate effectively at all levels. ▪ Ability to remain calm in difficult situations and work under pressure. ▪ Ability to work as part of a team. ▪ Excellent attention to detail. ▪ Ability to interpret information and seek solutions. 	
Knowledge and experience	<ul style="list-style-type: none"> ▪ A proven detailed knowledge of engineering services and utilities as applicable to a university environment. ▪ Substantial years post qualification experience of mechanical services and associated plant. ▪ Substantial experience in the operation and maintenance of HVAC mechanical building services, within a large multi-site organisation. ▪ Experience working on various heating, chilled, and ventilation systems carrying out PPMs in line with SFG20 or equivalent with advanced fault-finding diagnostic experience. ▪ Experience of managing people, finance, and health and safety. ▪ Understanding of relevant health and safety legislation that relates to the role. 	<ul style="list-style-type: none"> ▪ Mechanical building services design experience. ▪ Previous contract management experience within building engineering services maintenance. ▪ Familiar with computerised building management systems and interrogation ability.
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> ▪ HNC/HND in Mechanical Building Services/Engineering and some relevant experience within a similar role or extensive relevant experience in a similar role. ▪ Site Management Safety Training Scheme (SMSTS) or Site Supervisors Safety Training Scheme (SSSTS) ▪ 18th Edition qualification or HVAC control certification. ▪ Full, current driving license. 	<ul style="list-style-type: none"> ▪ IOSH Managing Safely or relevant H&S qualification. ▪ Legionella awareness training.



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** Is always equitable and fair and works with integrity. Proactively looks for ways to develop the team and is comfortable providing clarity by explaining the rationale behind decisions.
- Taking ownership** Is highly self-aware, looking for ways to improve, both taking on board and offering constructive feedback. Inspires others to take accountability for their own areas.
- Forward thinking** Driven to question the status quo and explore new ideas, supporting the team to "lead the way" in terms of know-how and learning.
- Professional pride** Sets the bar high with quality systems and control measures in place. Demands high standards of others identifying and addressing any gaps to enhance the overall performance.
- Always inclusive** Ensures accessibility to the wider community, actively encouraging inclusion and seeking to involve others. Ensures others always consider the wider context when sharing information making full use of networks and connections.

Key relationships with others



