



Job title	Technician in Chemical and Environmental Engineering	Job family and level	Technical Services Level 3
School/ Department	Department of Chemical and Environmental Engineering, Faculty of Engineering	Location	L3 and L4 Laboratories Buildings, University Park Campus

Purpose of role

The purpose of this role is to provide senior teaching and research support to the Department of Chemical and Environmental Engineering (CEE), plan and oversee the day-to-day running of laboratory facilities, allocating resources and providing technical supervision and training in the use of equipment and techniques to relevant staff and students to ensure objectives are met. Use specialist knowledge, experience and skills to provide excellent teaching, and to provide advice on experiment design and equipment capabilities. The role holder will be responsible for laboratory health and safety and the upkeep, training, use and maintenance of designated facilities and equipment.

The Department of Chemical and Environmental Engineering recognise the importance of continuous professional development and therefore the importance of providing opportunities, structured support and encouragement to engage in professional development each year.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	<p>Teaching support and preparation</p> <ul style="list-style-type: none"> ▪ To work within the technical teaching team to support the operation of undergraduate teaching within the Department's laboratory facilities ▪ To maintain the function of the teaching laboratories by arranging the availability of equipment alongside the preparation of large quantities of reagents ▪ Ensuring work is consistently completed to a high standard, within required deadlines whilst staying responsive to changing priorities. Monitor standards in own work area ▪ To provide support to academics and the Senior Technical Manager by the preparation/testing of materials and equipment necessary for all classes ▪ Help, develop, construct, and test new equipment and/or techniques, working with supporting academic and technical staff ▪ Undertake further training to develop skills and techniques based in specialist areas to support practical class development ▪ To provide technical support to the undergraduate students and class leaders as required 	50%

2	<p>Management of CEE Teaching Facilities</p> <ul style="list-style-type: none"> ▪ Liaise with academics to document session requirements, and ensure sessions are set up as required in a timely manner ▪ Ensure all equipment is in good working order and there is appropriate quantity of equipment and consumables available ▪ To conduct regular routine maintenance, fault diagnosis and schedule repair of equipment ▪ Communicate effectively information/instructions to the Department as required, and ensure the accurate completion of documentation, records and reports in order to comply with quality standards ▪ Oversee storage and inventory of equipment, chemicals and consumables ▪ Maintain accurate data records ▪ Escalate issues to relevant senior colleagues 	20%
3	<p>Health and Safety Management of designated research and teaching laboratories</p> <ul style="list-style-type: none"> ▪ Carry out risk assessments on all activities before testing procedures, adjusting them as required for safe use for lab users ▪ Manage all H&S documents to ensure each experiment has updated versions for process risk assessments, standard operating procedures and COSHH forms ▪ Ensure internal H&S audits are completed and paperwork is correctly stored ▪ Diagnose and rectify faults with equipment and procedures, ensuring all H&S processes are followed ▪ Provide safety monitor cover in designated area 	20%
4	<p>Housekeeping of designated research and teaching laboratories</p> <ul style="list-style-type: none"> ▪ Maintain clean and tidy laboratories, removing waste, cleaning/clearing and disinfecting work surfaces, moving and connecting gas cylinders ▪ Maintain clean equipment. Perform basic calibrations and maintenance. Take action and notify senior staff/ engineers for any faults ▪ Monitor and maintain stock levels of basic equipment and consumables ▪ Administration of gas deliveries including cryogenes and gas cylinders 	10%

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> ▪ Good oral and written communication skills, including the ability to communicate information with clarity ▪ Good computer skills ▪ A flexible approach and good customer relation skills ▪ Ability to work as an individual and as part of a team ▪ Excellent organisation and time management ▪ Ability to work accurately to maintain high standards, with the ability to work effectively under pressure ▪ Ability to adopt a methodical approach to work to achieve work deadlines ▪ Ability to lift and move objects as this role will involve storing and moving consumables and equipment 	
Knowledge and experience	<ul style="list-style-type: none"> ▪ Previous relevant experience, with the ability to undertake a range of technical support activities with minimal supervision ▪ Experience in a chemistry laboratory environment ▪ Experience in implementing and ensuring Health and Safety guidelines are followed ▪ Experience of handling hazardous chemicals and hazardous waste 	<ul style="list-style-type: none"> ▪ Experience in a university teaching laboratory environment
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> ▪ Minimum of HNC in relevant subject, or equivalent qualifications, plus/or substantial work experience in a relevant role. 	<ul style="list-style-type: none"> ▪ Qualified first aider
Statutory, legal or special requirements	<ul style="list-style-type: none"> ▪ A good understanding of Health and Safety in the workplace ▪ Ability to ensure record keeping is carried out in accordance 	<ul style="list-style-type: none"> ▪ Experience of risk analysis with regard to laboratories

	with best practice, scientific integrity, and in compliance with local policies and legal requirements.	
--	---	--



As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those whose protected characteristics under the Equality Act 2010, are not well-represented in our current staff body.

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 friendly, engaging and receptive, putting others at ease. Actively listens to others and goes out of way to ensure people feel valued, developed and supported.
- Taking ownership** Is clear on what needs to be done encouraging others to take ownership. Takes action when required, being mindful of important aspects such as Health & Safety, Equality, Diversity & Inclusion, and other considerations.
- Forward thinking** Drives the development, sharing and implementation of new ideas and improvements to support strategic objectives. Engages others in the improvement process.
- Professional pride** Is professional in approach and style, setting an example to others; strives to demonstrate excellence through development of self, others and effective working practices.
- Always inclusive** Builds effective working relationships, recognising and including the contribution of others; promotes inclusion and inclusive practices within own work area.

Key relationships with others



