



Laboratory Technician – Civil Engineering

Department	Civil and Environmental Engineering (www.strath.ac.uk/engineering/civilenvironmentalengineering/)		
Faculty	Faculty of Engineering (www.strath.ac.uk/engineering/)		
Staff Category	Technical Services	Reference No	659359
Reports To	Senior Technician	Grade	6
Salary Range	£32,296 - £35,880	Contract Type	Open Contract
FTE	1 (35 hours/week)	Closing Date	01/11/2024
Working Arrangements	Fully On-site. Due to the nature of this role, it is based fully on-site.	On Site Facilities	Car parking (paid), sports centre, catering.
Holidays	31 days + 11 statutory days Option to purchase additional holidays.		
Pensions	Contributory pension scheme available to all staff including generous employer contribution.		
Training	Professional Development with Organisational and Staff Development Unit (OSDU) plus external training if required.		
Family Friendly Benefits	Generous parental leave provision, on-campus nursery and options for flexible working.		
Health and Wellbeing	University Sport centre, Occupational Health service, access to health and wellbeing events, cycle to work scheme, Employee Assistance Programme, agile working and established carers support network and carer friendly policies.		

Job Advert

The Faculty of Engineering at the University of Strathclyde is one of the largest and most successful engineering faculties in the UK, and the largest in Scotland; boasting a growing research portfolio of over £85 million. The Department of Civil and Environmental Engineering (CEE) is one of the largest and most successful civil engineering departments in Scotland. The department is ranked 1st in Scotland and 3rd in the UK in the Guardian Subject Rankings 2025. We have over 600 students, including 450 undergraduates, 100 taught postgraduates and almost 100 registered research students. We have a strong commitment to widening access and inclusion while maintaining academic quality and an outstanding student experience.

As an Engineering Technician, you will provide practical technical support and advice to a wide range of student, staff, and researchers. This role involves providing support for both research and teaching activities. The post-holder will require a broad and deep understanding of a range of methods and procedures of engineering applications.

To be considered for this role you will be educated to HNC level in civil engineering, mechanical engineering or a cognate discipline, or with the relevant industrial work experience, experience within wider civil engineering, geoscience, soils, hydrology or analytical science would also be desirable. You will have significant knowledge and expertise in an engineering workshop or laboratory environment as well as experience and demonstrable working knowledge of health and safety regulations and procedures. You will have experience of providing a high level of personal responsibility and initiative to respond directly to queries and you will have experience of applying judgement to deal with daily challenges and circumstances, with limited guidance from a superior. You will have significant knowledge within the field of mechanical or civil engineering. You will have good verbal and written communication skills with the ability to inform and explain technical elements to stakeholders with a varying

degree of technical knowledge. You will have excellent troubleshooting skills, including a methodical approach to solving complex problems, with limited guidance. You will have an ability to work autonomously, prioritising and coordinating your own workload and making decisions with minimum supervision to meet project deadlines and you will have the ability to work as part of a multi-disciplinary team. Strong customer focus is essential.

Job Description

Brief Outline of Job:

To provide proactive technical support and advice to students and staff in support of both structured laboratory activities and varied project work supporting research.

Main Activities/Responsibilities:

1.	Prepare, set up, and maintain laboratory equipment and materials for teaching and research activities.
2.	Assist academic staff and students in conducting laboratory experiments related to civil engineering, including but not limited to materials, structural, and geotechnical, and environmental engineering testing.
3.	Ensure that laboratory spaces are safe, clean, and well-organized. Maintain laboratory inventory and order supplies and materials as needed.
4.	Provide technical support and guidance to undergraduate and postgraduate students during practical sessions.
5.	Responsible for the operation and maintenance of a specific laboratory/workshop environment as deemed appropriate by line manager.
6.	Provide practical support for Undergraduate and Post-graduate students and research project activities including manufacture of customised devices to drawings.
7.	Manufacture customised devices e.g., mechanical, pneumatic, hydraulic or electro-mechanical apparatus.
8.	Oversee the work of and delegate tasks to other technicians as deemed appropriate by line manager.
9.	Consult with academic staff in the preparation of work activities for research and teaching. Ensure equipment is available and functional to enable the workshop and laboratories run successfully.
10.	Ensure Health and safety regulations are adhered to and advise users accordingly. Responsible for safe operation of all workshop machinery within the bounds of university and HSE regulations. Ensure all health and safety aspects are addressed within workshop area. e.g., prepare and produce Risk Assessments, COSHH, safety training, maintaining safety records, machine maintenance and repair.

Person Specification

Educational and/or Professional Qualifications

(E=Essential, i.e. a candidate must meet all essential criteria to be considered for selection, D=Desirable)

E1 Educated to at least HNC level in civil engineering, mechanical engineering or cognate discipline or equivalent industry training and experience

D1 Professional Registration or working towards registration

Experience

E2 Experience of undertaking a range of technical support activities with minimal supervision, and fitting and assembly skills

E3 Experience of a general manufacturing engineering, able to operate conventional tool room machinery including milling, turning, grinding, and fitting.

E4 Ability to manage multiple tasks and prioritize workload efficiently.

E5 Significant skills in materials testing in an engineering context.

D2 Experience in supporting academic teaching and research.

Job Related Skills and Achievements

E6 Ability to make decisions and prioritise workload at an appropriate level and understand when to involve senior colleagues

E7 Competent in use of Microsoft Office package

D3 Awareness of relevant health and safety practices in a lab and office environment – preferably some experience with COSHH.

Personal Attributes

E8 An approachable demeanour and can demonstrate a receptive manner at all times.

E9 A professional and flexible approach to remit and responsibilities.

E10 Good team working skills.

E11 The ability to respond effectively and efficiently to a challenging workload

E12 Strong customer focus

Application Procedure

Applicants are required to complete an application form including the name of three referees who will be contacted without further permission, unless you indicate that you would prefer otherwise. Applicants should also submit a Curriculum Vitae and a covering letter detailing the knowledge, skills and experience you think make you the right candidate for the job. Applicants should also complete the Equal Opportunities Monitoring Form

Other Information

Further information on the application process and working at Strathclyde can be found on our website (<http://www.strath.ac.uk/hr/workforus>).

Informal enquiries about the post can be directed to Alessandro Tarantino, Professor, (alessandro.tarantino@strath.ac.uk).

Conditions of Employment

Conditions of employment relating to the Technical Services staff category can be found at: [Conditions of Employment](#).

Rewards and Benefits

Our staff have access to a wide range of outstanding benefits that include financial rewards, family friendly and wellbeing benefits and career development opportunities, details of which can be found [here](#).

Basic Disclosure

This role requires the satisfactory outcome of a Basic Disclosure Scotland Check. The successful applicant will be asked to carry out a Basic Disclosure Scotland Check. Whether an outcome is satisfactory will be determined by the University.

Probation

Where applicable, the successful applicant will be required to serve a 9 month probationary period.

Pension

The successful applicant will be eligible to join the Universities' Superannuation Scheme. Further information regarding this scheme is available from [Payroll and Pensions](#).

Relocation

Where applicable, the University offers a relocation package to support new employees who meet the eligibility criteria. The relocation package is offered as a contribution towards costs incurred, and is designed to be flexible, allowing staff to use the financial support available in the way that will be most helpful to them. Further details are outlined in the Relocation Policy.

Equality and Diversity

The University of Strathclyde is a socially progressive institution that strives to ensure equality of opportunity and celebrates the diversity of its student and staff community. Strathclyde is people-oriented and collaborative, offering a supportive and flexible working culture with a deep commitment to our equality, diversity and inclusion charters, initiatives, groups and networks.

We strongly encourage applications from Black, Asian and minority ethnicity, women, LGBT+, and disabled candidates and candidates from lower socio-economic groups and care-experienced backgrounds.

University Values

The University's Values capture what we're all about: who we are, what we believe in and what we stand for. [Our Values](#) have been derived from how we act and how we expect to be treated as part of Strathclyde.

