

Technician

Department	Chemical and Process Engineering (www.strath.ac.uk/chemeng/)		
Faculty	Faculty of Engineering (www.strath.ac.uk/engineering/)		
Staff Category	Technical Services	Reference No	86519
Reports To	Laboratory and Workshop Manager	Grade:	5
Salary Range:	£22214 - £24983	Contract Type:	Open Contract
FTE:	1 (35 hours/week)	Closing Date	Sunday, 17 September 2017

Job Advert

The Department of Chemical and Process Engineering (CPE), as one of the key departments within the Faculty invites applications for a key Technician post within the Department's Technical Support Team.

CPE is seeking a motivated, enthusiastic individual who will provide support for a broad and varied range of Technical activities as part of the Department's Technical support team. The post of a multi-skilled Technician will support a broad and varied activities pertaining to research, knowledge exchange and teaching within the Department. At present technical support is required for two undergraduate teaching laboratories and two research laboratories, in addition, recruitment and outreach activities. The successful candidate will be experienced and skilled in all aspects of general engineering practices including maintenance, design and manufacturing.

The post holder will liaise with students, staff and other internal and external stakeholders under the guidance of the Department Laboratory and Workshop Manager; therefore requiring excellent verbal and written communication skills.

To be considered for the role, you will be educated to a minimum of HNC/HND level, or equivalent in a mechanical discipline, and relevant practical experience in a similar role. You will have excellent problem solving skills coupled with experience of working within an engineering research and development environment. The candidate must be willing to take on tasks as directed, as well as have the ability to use their own initiative.

Job Description

Brief Outline of Job:

The post holder will be responsible for supporting laboratory activities as assigned by the Laboratory and Workshop Manager. The role will focus on delivering technical, engineering and manufacturing assistance and expertise to undergraduate and research projects within the department. These duties will require the post holder to:

Main Activities/Responsibilities:

1. Operate and maintain efficiency of workshop equipment, such as lathe, milling machine, radial and pedestal drilling machines and guillotine etc. This includes preparing and producing risk assessments.
2. Test and maintain laboratory equipment in both research and undergraduate facilities following standard equipment procedures to enable laboratories to run successfully.
3. Ensure all health and safety aspects are addressed within workshop and laboratory areas
4. Work with academic, teaching, knowledge exchange and research staff to ensure appropriate workshop and laboratory support for research programmes is provided

5.	Provide assistance and advice for researchers and academics in the design, manufacturing and build of undergraduate and research projects.
6.	Interpret engineering drawings and advise on manufacturing techniques and process improvements to students, researchers and academics.
7.	Apply initiative in order to respond to queries and to deal with daily, unforeseen problems and circumstances.
8.	Operate and maintain efficiency of the gas cylinders control system, such as Hydrogen, Ethylene Methane Carbon Dioxide, Nitrogen and Argon etc.
9.	Maintain accurate records of test/experiments/technical procedures, relating to portable appliance tests, Gas regulators, fume cupboards and LEV, and general machinery to ensure compliance with PUWER regulations.
10.	Provide technical support for the department's undergraduate laboratory programmes

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 a minimum of HNC/HND in a mechanical discipline, or equivalent and/or substantial relevant practical experience within a similar role and safety awareness

Experience

- E2 Experience of undertaking a range of technical support activities with minimum line manager/supervisor involvement.
- E3 Skilled in the use of conventional engineering workshop machinery.
- E4 Ability to manage, operate and maintain an engineering workshop
- D1 Undertaking of training in advanced machining
- D2 Experience of supporting manufacturing bespoke parts for research and development

Job Related Skills and Achievements

- E5 Knowledge and appreciation of health and safety regulations and procedures relating to workshop and laboratory facilities.
- E6 Ability to competently interpret engineering drawings

Personal Attributes

- E7 An ability to plan and prioritise own workload
- E8 Good verbal and written communication skills, for example, to write up experiments, establish and clarify facts and deal with enquiries
- E9 Ability to work effectively as a flexible member of a team
- E10 Logical, analytical and systematic approach to solving problems
- E11 A friendly, courteous and helpful disposition
- E12 A proactive approach to learning and developing
- E13 Ability to use own initiative to resolve tasks/queries, resulting in a positive outcome

Application Procedure

Applicants are required to complete an application form including the name of two referees who will be contacted before interview without further permission, unless you indicate that you would prefer otherwise. 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 James Murphy, Laboratory and Workshop Manager (james.murphy@strath.ac.uk)

Conditions of Employment

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

Probation

Where applicable, the successful applicant will be required to serve a 6 month probationary period.

Pension

The successful applicant will be eligible to join the Local Government Pension Scheme (LGPS) in Scotland. 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.

Interviews

Formal interviews for this post will be held on Thursday, 28 September 2017.

Equality and Diversity

We value diversity and welcome applications from all sections of the community.

The University currently holds a Bronze Athena SWAN award, recognising our commitment to advancing women's careers in science, technology, engineering, maths and medicine (STEMM) employment in academia.

