

Candidate Information

Position:	Technician
School/Department:	School of Chemistry and Chemical Engineering
Reference:	18/106824
Closing Date:	Tuesday 23 October 2018
Salary:	£24,028 - £27,831 per annum (potential to progress to £29,514 per annum through sustained exceptional contribution)
Duration:	12 Months

JOB PURPOSE:

To provide specialist technical services and support for research projects across QUILL Research Centre.

MAJOR DUTIES:

1. Prepare samples and carry out procedures for tests/experiments using advanced analytical equipment. Collate, record, and tabulate data for interpretation physico-chemical properties of materials, compounds and solutions, producing test data on research requirement. Troubleshooting of specialist equipment.
2. Undertake analysis of samples supplied by staff, students and sponsors using instrumentation as directed.
3. Contribute to the development and modification of equipment components/apparatus using full range of techniques for research/project work purposes.
4. Set up SOP for specialised equipment for use by research staff and students.
5. Maintain, test, troubleshoot and repair equipment to ensure it is safe to use and complies with relevant statutory safety regulations. Ensure general laboratory services tidiness.
6. Responsible for maintaining stock levels, to ensure there is adequate stock at all times.
7. Comply with Health and Safety procedures affecting self and others.
8. Carry out any other duties, which are appropriate to the post as may be reasonably requested by Supervisor.

Planning and Organising:

1. Prioritise own work within a general plan to meet deadlines.
2. Prepare and adhere to schedule of routine equipment maintenance and assess requirements and resources needed in advance.

Resource Management Responsibilities:

1. Take delegated responsibility for the maintenance and repair of scientific equipment.
2. Allocate/delegate some work to others for specific activities.
3. Support student and research staff in learning through the development and demonstration of standard equipment and techniques.
4. Where appropriate carry out training of research staff and students.

Internal and External Relationships:

1. Daily contact with Supervisor, work colleagues, University staff and students.
2. Liaise with external equipment manufacturers, service providers etc.

ESSENTIAL CRITERIA:

1. Academic and/or vocational qualifications ie OND/ONC and/or NVQ level3 in relevant subject (or equivalent).

2. 3 years relevant work experience to include:
 - Demonstrable Experience in working in a general chemical laboratory.
 - Demonstrable Experience in analytical chemistry.
 - Demonstrable Experience in safe handling of chemicals and equipment.
3. Basic computing skills.
4. Specialist skills and knowledge relevant to the job.
5. Well-developed understanding of relevant regulations and procedures including Health and Safety requirements.
6. Good communication and interpersonal skills.
7. Ability to develop and demonstrate standard equipment and techniques.
8. Ability to work effectively within a team.
9. Organised and attentive to detail.
10. Ability to meet deadlines.

DESIRABLE CRITERIA:

1. BSc in Chemistry or Chemical Engineering (or related discipline).
2. Professional training courses on handling and trouble shooting specialised/advanced analytical equipment.
3. 2 years relevant work experience in analytical chemistry
4. Recent experience in the use of any of the following: NMR spectroscopy, X-ray diffractometer, IR and Raman spectrometers.
5. Experience with preparing SOPs and providing basic training on the use of equipment for researchers.
6. An excellent knowledge of written and spoken English for report writing.
7. An interest in the industrial implementation of chemistry and clean technology.