

## Candidate Information

**Position:** Teaching Laboratory Technician  
**School/Department:** School of Mathematics and Physics  
**Reference:** 24/112047  
**Closing Date:** Monday 22 July 2024  
**Salary:** £30,948 - £35,492 per annum.  
**Anticipated Interview Date:** Thursday 1 August 2024

### JOB PURPOSE:

Provision of technical services to support teaching activities in the Maths and Physics Teaching Centre, school research and general laboratory duties.

### MAJOR DUTIES:

1. Set up a range of experimental teaching equipment and apparatus to be used by staff and students in practical classes and laboratory projects. Equipment needs to be rotated on a frequent basis to support both level 1 and level 2 teaching activities.
2. Provide technical support for specialist experimental setups in the dedicated Level 3 teaching laboratory including installing and storing radioactive sources when required, filling liquid nitrogen dewars and exchanging industrial gas cylinders.
3. Maintenance of experimental equipment ensuring it is always safe and operational. Liaise with other technical staff or equipment manufacturers for guidance on faulty equipment repair or replacement.
4. Provide training and support to junior staff and teaching demonstrators on safe use and operation of the experimental equipment.
5. Maintain records and documentation as required by academic staff, level co-ordinators and other senior technical staff. Liaising with the Schools Radiation Protection Supervisor, undertake safety checks on radioactive sources and other equipment within the school as required.
6. Support outreach and work experience activities within the teaching laboratories and other school areas as required throughout the academic calendar.
7. Using established procedures, log building maintenance requests, mainly for the teaching centre building, on the Estates computerised maintenance program and provide cover at times of absence for other school building liaison officers.
8. Support the school's goods-in process on a shared basis with other technicians, ensuring deliveries are promptly processed and made ready for collection, with any corresponding delivery paperwork forwarded to the school's finance team.
9. Contribute to the development and implementation of health and safety policies and procedures using risk assessments to ensure compliance is maintained and a safe working environment is always achieved. Take delegated responsibility for ensuring safe disposal of any contaminated materials and waste from the teaching laboratories.
10. Carry out any other duties, which are appropriate to the post as may be reasonably requested by technical manager or Head of School.

### ESSENTIAL CRITERIA:

1. \* Academic and/or vocational qualifications i.e. NVQ Level 3 (or equivalent) in a relevant subject or ONC/OND, C&G level 3 in engineering or science.
2. Minimum of 2 years recent experience working in a laboratory environment using or maintaining experimental and/or research equipment to include:
  - Recent experience working in a teaching or school laboratory environment.
  - Experience in practical set up of equipment/apparatus in laboratory setting.
3. Good IT skills including use of MS Word, Excel, and Teams.
4. Demonstrable analytical and problem-solving skills with the ability to adapt/pivot in time-limited situations.
5. Well-developed knowledge in laboratory health and safety.

6. Good interpersonal and communication skills (both verbal and written).
7. Be comfortable working within a small team with the ability to motivate others.

**DESIRABLE CRITERIA:**

1. Higher level education qualification in engineering or science discipline.
2. Previous experience working in a physics laboratory.
3. Experience handling and filling liquid nitrogen.
4. Handling industrial gases.
5. Experience handling radioactive sources.
6. Experience using QUB Planon building maintenance software.