



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Facility Technician for the Leeds Nanotechnology Cleanroom
Faculty of Engineering and Physical Sciences



Salary: Grade 6 (£27,924 – £33,309 p.a.)

Reference: EPSEE1073

Closing date: Monday 06 June 2022

We will consider flexible working arrangements

Facility Technician for the Leeds Nanotechnology Cleanroom, Bragg Centre for Materials Science, School of Electronic and Electrical Engineering.

Do you have experience of working in a research laboratory environment? Do you want to further your career in one of the UK's largest University Cleanrooms?

The Leeds Nanotechnology Cleanroom and associated Molecular Beam Epitaxy (MBE) facility, together compromise a suite of highly specialised instrumentation for micro- and nanofabrication.

You will have a BTEC level 5 or HNC or apprenticeship in a mechanical engineering discipline, or equivalent practical work experience, with extensive practical experience in general engineering and machining skills and a positive, enthusiastic approach to using your expertise to support research in the Institute

What does the role entail?

As a Facility Technician your main duties will include:

- Acting as a point of expertise on the use of cleanroom equipment, you will advise staff, students and visitors on the use of apparatus. This will include providing inductions and training sessions on specific items of equipment which involves informal one to one training and demonstrations;
- Designing and manufacturing components and modifications for equipment used in the Leeds Nanotechnology Cleanroom and Molecular Beam Epitaxy, facility;
- General laboratory stock control: including maintaining records of consumable equipment inventories, regular deployment of stock within the laboratories, the timely purchasing of replacement stock and assisting academic supervisors in the purchase and delivery of new equipment;
- General laboratory maintenance: including suit laundering and storage, routine laboratory cleaning, general inspections and preventative maintenance of pumps/ chillers/ water supplies etc;



- Responsibility for the purchase and safe installation/ removal of specialist gas cylinders that support the cleanroom, in addition to decanting and transporting liquid nitrogen in specialised vessels;
- Ensuring the laboratory is operating in accordance with health and safety procedures, risk and COSHH assessments and local rules and regulations;
- Organising the storage and disposal of all hazardous waste, including liquid chemicals, solid waste and hazardous waste, according to the cleanroom waste disposal policy;
- Proactively approaching academic staff to determine their requirements, adapting service delivery as appropriate;
- Ensuring all equipment is operational and serviced as required;
- Liaising with Estates for the maintenance of the mechanical, electrical and ventilation plant required to run the facility;
- Liaising with external and University of Leeds agencies, equipment and suppliers and repairers for the facility;
- Managing the online cleanroom instrumentation booking system;
- Playing a proactive role in the technicians' network, for example to share best practice and service improvement ideas.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

What will you bring to the role?

As a Facility Technician you will have:

- Education: a BTEC level 5 or HNC in an Engineering discipline or equivalent relevant proven experience;
- Comprehensive precision engineering skills using a range of conventional machine tools;
- Knowledge and proven experience in working safely with pressurised gases and vacuum components;
- Proven ability to design and construct prototypes in a variety of materials, using standard CAD software such as Autocad, Solidworks or Fusion360;
- The ability to work proactively, independently, and effectively as part of a wider technical team;



- Developed organisational skills with the proven ability to prioritise work and deliver against demanding deadlines;
- Experience of developing experimental methods, standard operating procedures, risk and COSHH assessments;
- Good IT skills, including MS Office and the proven ability to learn new IT systems, software and hardware;
- Excellent interpersonal and communication skills, with the proven ability to liaise effectively with staff and students at all levels;
- Evidence of a proactive approach to career-specific personal development.

You may also have:

- City & Guilds (or equivalent) in PA Testing;
- Be a Registered Scientist or willing to work towards becoming accredited.

How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by **23.59** (UK time) on the advertised [closing date](#).

Contact information

To explore the post further or for any queries you may have, please contact:

Peter Thompson, Technical Officer

Tel: +44 (0) 113 343 2471

Email: P.R.Thompson@leeds.ac.uk

Additional information

Faculty and School Information

Further information is available on the research and teaching activities of the [Faculty of Engineering & Physical Sciences](#), and the [School of Electronic and Electrical Engineering](#).



A diverse workforce

As an international research-intensive university, we welcome students and staff from all walks of life and from across the world. We foster an inclusive environment where all can flourish and prosper, and we are proud of our strong commitment to student education. Within the Faculty of Engineering and Physical Sciences we are dedicated to diversifying our community and we welcome the unique contributions that individuals can bring, and particularly encourage applications from, but not limited to Black, Asian and ethnically diverse people; people who identify as LGBT+; and people with disabilities. Candidates will always be selected based on merit and ability.

The Faculty of Engineering and Physical Sciences are proud to have been awarded the Athena SWAN [Silver](#) Award from the Equality Challenge Unit, the national body that promotes equality in the higher education sector. Our [equality and inclusion webpage](#) provides more information.

Working at Leeds

Find out more about the benefits of working at the University and what it is like to live and work in the Leeds area on our [Working at Leeds](#) information page.

Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at disclosure@leeds.ac.uk.

Please note: If you are not a British or Irish citizen, from 1 January 2021 you will require permission to work in the UK. This will normally be in the form of a visa but, if you are an EEA/Swiss citizen and resident in the UK before 31 December 2020, this may be your passport or status under the EU Settlement Scheme.

Criminal record information

Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.



Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page.

