



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

**Technical Specialist, Medical and Biological Engineering,
Faculty of Engineering and Physical Sciences**



Salary: Grade 7 (£41,064 – £48,822 p.a.)

Reporting to: Dr Sarah Myers

Reference: EPSME1198-R

Closing date: Wednesday 12 November 2025

Location: Leeds main campus

We are open to discussing flexible working arrangements

Technical Specialist, Medical and Biological Engineering, Institute of Medical and Biological Engineering (iMBE), School of Mechanical Engineering.

Are you an experienced technical professional with a background in medical or biological engineering? Would you like to support world-class research in biomaterials, biomechanics, and tissue engineering? Are you eager to develop your skills in a collaborative, research-intensive environment?

Overview of the Role

We are seeking a Technical Specialist to join the team at the Institute of Medical and Biological Engineering (iMBE), supporting experimental systems, maintaining specialist equipment, and providing technical guidance to researchers and students. You will play a vital hands-on role in delivering high-quality technical services to support research and teaching across healthcare technologies, regenerative medicine, and implantable devices.

This role offers the opportunity to develop your expertise in line with ISO 9001 quality principles as the Institute enhances its systems and documentation practices.

Main duties and responsibilities

- Operating and maintaining specialist experimental equipment used in biomechanics, biomaterials testing and tissue engineering, including joint replacement and natural tissue simulators;
- Supporting researchers, PhD students, and undergraduates with the setup and operation of experimental systems;
- Assisting with the design, manufacture, and adaptation of experimental rigs and fixtures for mechanical testing or biological assays;
- Writing and maintaining risk assessments, COSHH forms, and standard operating procedures (SOPs), and supporting good laboratory practice;
- Carrying out routine and preventative maintenance on laboratory equipment; liaising with external engineers where needed;



- Assisting in the development and delivery of training materials for safe and correct use of equipment; supporting user inductions and competency sign-offs under supervision;
- Helping to document processes and participate in internal quality reviews and audits, ensuring compliance with human tissue legislation and contributing to the Institute's goal of aligning practices with ISO 9001 standards;
- Providing support to outreach and public engagement events showcasing medical engineering research;
- Maintaining accurate records of technical procedures, usage logs, and laboratory stock;
- Supporting general laboratory housekeeping and compliance with health and safety legislation.

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.

Qualifications and skills

Essential:

- A HNC/HND, BTEC Level 4, or degree in mechanical/biomedical/biological engineering, or equivalent substantial technical experience;
- Practical experience supporting experimental research in a laboratory or workshop environment;
- Familiarity with mechanical testing systems such as joint replacement simulators, fluid flow rigs, bioreactors, or materials characterisation tools;
- A good understanding of safe working practices in a lab environment, including health and safety, risk assessments, and COSHH;
- Strong interpersonal and communication skills, with the ability to support a diverse range of users effectively;
- A proactive and flexible approach to technical problem-solving and supporting multiple users;
- A willingness to engage with professional development and build knowledge in quality assurance (e.g. ISO 9001).



Desirable:

- Experience in working with biological materials, cleanroom or sterile environments, or tissue handling;
- Experience preparing or contributing to user documentation or training manuals;
- Previous involvement in laboratory audits, inspections, or quality-related documentation;
- Experience engaging in outreach, STEM education, or public engagement activities.

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:

Dr Sarah Myers, Technical Services Manager

Tel: +44 (0)113 343 8191

Email: S.L.Myers@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 Mechanical Engineering](#).

Working at Leeds

We are a campus-based community and regular interaction with campus is an expectation of all roles in line with academic and service needs and the requirements of the role. We are also open to discussing flexible working arrangements. To find out more about the benefits of working at the University and what it is like to live and work in the Leeds area visit our [Working at Leeds](#) information page.



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.

Information for disabled candidates

Information for disabled candidates, impairments or health conditions, including requesting alternative formats, can be found under the 'Accessibility' heading on our [How to Apply](#) information page or by getting in touch by emailing HR via hr@leeds.ac.uk.

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.

Salary Requirements of the Skilled Worker Visa Route

Please note that this post may be suitable for sponsorship under the Skilled Worker visa route but first-time applicants might need to qualify for salary concessions. For more information, please visit [the Government's Skilled Worker visa page](#).



For research and academic posts, we will consider eligibility under the Global Talent visa. For more information, please visit [the Government's page, Apply for the Global Talent visa.](#)

