



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

**Mechanical Engineering Technician,
Faculty of Engineering and Physical Sciences**



Salary: Grade 6 (£30,487 – £36,024 p.a.)

Reference: EPSME1175

Location: Leeds campus

Closing date: Sunday 04 August 2024

We are open to discussing flexible working arrangements

Mechanical Engineering Technician, School of Mechanical Engineering.

Are you an experienced in mechanical engineering support? Are you looking for a new and exciting challenge as part of one of the Leading Mechanical Engineering Schools in the country? Do you want to make a difference to world class teaching and research activities?

The School of Mechanical Engineering at the University of Leeds is globally renowned for its teaching and research, ranked 1st in the [Guardian university league tables](#) 2018. Our laboratory technicians play a vital role in supporting academics, researchers and students, and have the opportunity to be involved in ground-breaking projects.

We are looking for a professional and proactive individual to join our team and support research, teaching and general activities within our Thermofluids laboratories. You will hold a BTEC level 4, a HNC or an apprenticeship in a Mechanical/ Electrical engineering discipline, OR have equivalent practical work experience. You will also have good knowledge of mechanical assembly practices and experience of manufacturing components.

What does the role entail?

As a Mechanical Engineering Technician, your main duties will include:

- Providing technical expertise to design, build, modify and/or commission specialist equipment or experimental test rigs which could include those used in novel combustion research;
- Providing technical support, instruction, practical advice and safety guidance on projects, advising and assisting academic staff, research staff and students as required on experimental technique and technical issues. This may involve informal one to one training, demonstrations or provision of advice, and can be highly specialised and technical in nature, including some manufacture;
- Being responsible for general maintenance and security of the laboratories and equipment, including maintaining records of consumable levels and equipment, purchasing requisition stock to maintain an acceptable level, and assisting academic supervisors in the purchase and delivery of new equipment;



- Carrying out repairs, which could be both electrical and mechanical, calibrating lab equipment and, where necessary, arranging specialist repair;
- Proactively approaching academic staff to respond to their requirements, adapting service delivery as appropriate;
- Ensuring correct and safe usage of laboratory equipment by yourself, undergraduates, postgraduates and members of staff, in accordance with health and safety procedures, risk and COSHH assessments, and local policies and procedures as defined by the Faculty Health and Safety Manager. This may involve delivering safety inductions;
- Operational management of Good Laboratory Practice including management of general lab upkeep and tidiness in all teaching and research areas;
- Setup and test various types of instrumentation for research and teaching labs.
- Playing a role in the technicians' network, for example, to share best practices 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 (training can be provided) consistent with the grade of the post, such as:

- Installation and use of compressed gas systems and equipment;
- Responsibility for ensuring that portable appliance testing (PAT) within the laboratories is kept up to date and appropriately recorded.

What will you bring to the role?

As a Mechanical Engineering Technician, you will have:

- A BTEC level 4, a HNC or an apprenticeship in a Mechanical/Electrical engineering discipline, OR equivalent practical work experience;
- Good knowledge and experience of manufacturing components and assembly into working experimental equipment;
- Knowledge of instrumentation to measure a wide range of mechanical and physical properties;
- Excellent interpersonal and communication skills, with the proven ability to liaise effectively with staff, students and external contacts at all levels;
- The ability to keep abreast of the latest developments in mechanical and electronic engineering, and also safety regulations;
- Team player with a flexible, 'hands-on' approach to work;



- Accuracy and dependability is of the utmost importance: a failure of standards could have significant implications;
- The ability to work proactively and independently, and effectively as part of the wider technical team;
- Developed organisational skills with the proven ability to prioritise work and deliver against demanding deadlines.

You may also have:

- Knowledge of pressure and vacuum systems;
- Knowledge of CAD software such as SolidWorks or Fusion 360;
- Experience in electrical/electronic skills;
- Experience of working in a research and/or teaching laboratory environment;
- The ability to fault find on unique equipment and maintain this to a high specification;
- The ability to write risk assessments and safe operating procedures;
- A CIEH level 2 health and safety certificate or equivalent;
- Trained in the safe use of compressed gases and pressure systems, including the periodic testing and inspection of equipment.

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:

Mr Sam Flint, Lead Technician

Tel: +44 (0) 113 343 2185

Email: S.E.Flint@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](#).

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

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.

Information for disabled candidates

Information for disabled candidates, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at 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 due to Home Office visa requirements, this role may only be suitable for first-time Skilled Worker visa applicants if they are eligible for salary concessions. For more information, please visit: www.gov.uk/skilled-worker-visa.

For research and academic posts, we will consider eligibility under the Global Talent visa. For more information, please visit: <https://www.gov.uk/global-talent>.

