



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

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



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

Reference: EPSCV1130

Closing date: Sunday 31 March 2024

We are open to discussing flexible working arrangements

Structures Technician, School of Civil Engineering.

Do you have extensive construction experience gained in either academia or industry, ideally in the field of concrete technology? Do you want to lead the technical support for our structures facility?

We are looking for a professional and proactive individual to join our team and support teaching, research, and general activities within the structures facility. Providing advice to a diverse range of students and academic and research staff from across the University about construction and testing of concrete specimens, you will act as a point of expertise.

You will have extensive experience, gained in either academia or industry, ideally in the field of construction and steel framework, with the proven ability to take responsibility for area management. You will also have experience in the use of equipment for testing construction materials, including data logging and storing results for later analysis.

What does the role entail?

As a Structures Technician, your duties will include:

- Acting as a point of expertise on construction and concrete knowledge, advising staff, students, and visitors on matters of technique and use of apparatus. This will include providing research and teaching support, inductions and training sessions to all students prior to their use of equipment, providing informal one to one training and demonstrations, providing highly specialised and technical advice for student projects/theses;
- Ensuring the structures laboratories are operating in accordance with health and safety procedures, risk and COSHH assessments, Good Laboratory Practice and local rules and regulations, and that all equipment is operational and maintained as required by the PUWER regulations, plus conducting portable appliance testing (PAT) within laboratories;
- Day-to-day management of the Structure laboratories, Hydraulics laboratory and Creep Laboratory ensuring adequate supplies, and having responsibility for the preparation and assembly of specimens for tests;



- Making recommendations to budget holders regarding purchasing, repair and servicing of the equipment and supplies;
- Provide teaching support and technical instruction to practical classes taught in the laboratories;
- Acting as focal point for the students and academics in arranging casting of concrete specimens and planning their testing;
- Proactively approaching academic staff to determine their requirements, adapting laboratory sessions format and research support as appropriate;
- Playing a proactive role in the Civil Engineering technicians' network, for example to share best practices;
- Assisting in other Laboratories in the School of Civil Engineering as required.

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 Structures Technician, you will have:

- A Civil Engineering-based BTEC level 4 or HNC, or equivalent qualification;
- Extensive experience gained in either academia or industry, ideally in the field of concrete and steel construction;
- Experience in;
 - The use of equipment for mixing and casting of concrete, steel cutting and welding, preparation of specimens for testing including data logging and storing results for later analysis;
 - Designing and constructing steel reinforcing cages, including cutting and bending rebar;
- Knowledge of instrumentation related to the testing of construction materials;
- The proven ability to work proactively and independently and part of a wider technical team, and to take responsibility for workshop management;
- Developed organisational skills with the proven ability to prioritise work and deliver against demanding deadlines;
- Good IT skills, including MS Office, in particular Excel spreadsheets, 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;



- Ability to perform manual handling duties, which include moving bulky bagged materials and blocks of concrete, using safe manual handling practices, on a regular basis;
- Evidence of a proactive approach to career-specific personal development;
- Willingness to learn new techniques and the ability to work in a changing environment.

You may also have:

- Knowledge of concrete technology, and of hydraulic control systems and components;
- Experience of;
 - Preparation and interpretation of technical drawings specially related to steel reinforcement;
 - Strain gauging materials and their interfaces;
 - Developing experimental methods, standard operating procedures, risk and COSHH assessments;
 - Portable appliance testing;
- Presentation or demonstrating skills;
- A health and safety qualification;
- Accreditation as a Registered Scientist or be 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:

[Kamran Azam](#), Lead Technician

Email: K.Azam@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 Civil 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.

