Candidate Information

Position:	Fabrication and Welding Technician
School/Department:	School of Mechanical and Aerospace Engineering
Reference:	26/113111
Closing Date:	Monday 16 February 2026
Salary:	£29,594 - £32,186 per annum. On successful completion of training (estimated 12 months) the candidate will progress to Grade 5 (currently £32,186 - £36,912).
Anticipated Interview Date:	Thursday 26 February 2026
Duration:	Permanent

JOB PURPOSE:

To provide specialist technical services to academic staff, research staff and students to support research and teaching projects.

Over the initial 12 months in the post, the role will transition from the primary responsibilities, as covered in main activities 1 to 5, to the full remit of the Fabrication and Welding Technician role.

To fully support the Engineering Workshop Working Hours which are:

Monday – Thursday 8.00am to 4.30pm

Friday 8.00am to 1.00pm

This means and annual leave maybe restricted during semester. There may also be the requirement for occasional out of hours working to support open days/School events.

MAJOR DUTIES:

1. Provide a fabrication/welding service, from engineering drawings, to include sheet metal forming, rolling and folding to the schools within the faculty and any other connections related to this.
2. Provide relevant technical information, advice, guidance and training/demonstration on the use of specialised equipment or techniques to academic staff, students and others.
3. Provide detailed information and guidance to technical staff in laboratory/workshop procedures/research experiments as appropriate.
4. Contribute to the development, construction and modification of components/apparatus using full range of techniques for teaching/research/project work purposes.
5. Maintain, test, fault find, rectify, and repair workshop equipment / apparatus to ensure it is safe to use and complies with relevant statutory safety regulations. Ensure general workshop services tidiness.
6. Be responsible for overseeing specific activities and processes of a work area/laboratory/research project and provide technical supervision of students.
7. To provide occasional support using CNC machining operations (Turning & Milling) during quieter periods (training to be provided).
8. To provide occasional support when required in the student design centre (3d printing/wire foam cutting) during quieter periods (training to be provided).
9. Supporting the Health and Safety Co-Ordinator with the implementation of Health and Safety policies, arrangements and procedures within the workshop.
10. Contribute to compiling / updating technical information and documentation records of equipment and processes carried out in the workshop. Including risk assessments, safe operating procedures and instructions for other staff and students to follow.

11. Contribute to maintaining / monitoring stock levels in stores, to ensure there is always an adequate stock of materials and equipment to supply project and research areas.
12. Carry out any other duties which are appropriate to the post as may be reasonably requested by Supervisor.

ESSENTIAL CRITERIA:

1. Academic and/or vocational qualifications OND/ONC and/or NVQ level3 in fabrication/welding (or equivalent); and/or an apprenticeship completed in a recognised college or manufacturing environment.
2. Recent relevant post qualification/apprenticeship experience in a fabricating/welding environment to include:
   - Reading engineering drawings.
   - Operating/welding – Proficient in TIG welding on Stainless steel, Aluminium & other materials
   - Sheet material rolling, forming and folding.
3. Experience of working in a workshop environment with an understanding of the safe working procedure required.
4. Maintaining equipment and/or workshop machinery.
5. Experience of training others in the use of equipment or tasks use in an engineering environment.
6. Ability to follow technical diagrams and instructions.
7. Good IT literacy skills (Microsoft 365 including Word and Excel).
8. Ability to write basic safe operating procedures and instructions for other staff and students to follow.
9. Good communication and interpersonal skills.
10. Willingness to work in a team as well as own initiative.
11. Ability to prioritise own work to meet deadlines.
12. Ability to think logically and formulate plans to solve problems.
13. Willing to gain experience and learn new skills and techniques.
14. Competent in forming good working relationships with students, staff and external collaborators.

DESIRABLE CRITERIA:

1. Experience in Mig, AC & DIC welding techniques.
2. Any coded welding qualifications.
3. CNC experience in programming/ operating machines such as press-brakes, waterjet cutting and/or laser cutters.
4. CNC experience in programming/ operating machines such as lathes and milling machines.
5. Oxyacetylene brass welding/brazing/cutting.
6. Plasma cutting.
7. Knowledge and understanding of engineering tools and equipment, and of maintaining welding/fabrication equipment within the workshop.
8. Understanding of safe methods of manual handling as well as safe sling and lifting techniques.
9. Well-developed understanding of relevant regulations and procedures including health and safety requirements.
10. Willingness to learn new software programs and operate other machine tools within the CNC workshop.

ADDITIONAL INFORMATION:

Informal enquiries to Jose Rico Mourenza - j.ricomourenza@qub.ac.uk