

Candidate Information

Position: Apprentice Technician - Fabrication and Welding
School/Department: School of Mechanical and Aerospace Engineering
Reference: 25/112697
Closing Date: Monday 21 July 2025
Salary: £26,093 per annum
Anticipated Interview Date: Monday 4 August 2025
Duration: 2 years

JOB PURPOSE:

To provide a specialist technical service in support of research and teaching projects undertaking a structured training program of academic study, supervised workshop and on-the-job training. The apprentice will train, develop and be supported in this role, gaining the required skills and knowledge to provide the range of technical support to assist in the smooth running of the School's engineering workshop. The apprentice will work and learn as part of the engineering workshop technical team.

MAJOR DUTIES:

1. Undertake advanced training in welding and fabrication techniques, including MIG, TIG, MMA, and oxy-acetylene welding, for the production and assembly of complex engineering components.
2. Fabricate precision assemblies and structures using a variety of materials (mild steel, stainless steel, aluminium), ensuring compliance with detailed engineering drawings and specifications.
3. Develop skills in the setup, programming, and operation of manual & CNC machine tools, including Press Brake and Waterjet, utilising CAD/CAM software.
4. Learn to produce and interpret detailed engineering drawings and welding symbols according to BS EN ISO standards.
5. Support the development, construction, modification, and repair of equipment for both teaching and research applications.
6. Assist with carrying out off-site fabrication, installation and testing of mechanical systems where required.
7. Assist in the routine maintenance, servicing and calibration of welding and fabrication equipment, ensuring workshop readiness and compliance with safety standards.
8. Ensure strict adherence to Health and Safety legislation, workshop procedures, and university risk assessments, reporting hazards and contributing to a safe working environment.
9. Maintain good workshop practice including cleanliness, equipment care, and efficient use of materials.
10. Any other duties appropriate to the post as may be reasonably requested by the supervisor or line manager.

ESSENTIAL CRITERIA:

1. Hold a minimum of 5 GCSE's, A*-C (9-4) or equivalent, to include Maths and English.
2. Hold, or be about to obtain, a relevant Level 2 Engineering apprenticeship to enable you to undertake a Level 3 Fabrication and Welding Apprenticeship.
3. Able to demonstrate an understanding of relevant regulations and procedures including Health and Safety requirements.
4. Ability to develop and demonstrate standard procedures processes and techniques in relation to engineering workshop practice.
5. Evidence of analytical and problem-solving skills.
6. Evidence of good communication and interpersonal skills
7. Must have a keen interest in a mechanical engineering discipline
8. Must be willing to work additional hours for time in lieu during peak periods needed.

DESIRABLE CRITERIA:

1. Previous welding experience.
2. Experience in fabrication processes i.e. sheet metal work, folding etc.
3. Experience in general use of engineering equipment.

ADDITIONAL INFORMATION:

*Apprenticeships are designed to develop new knowledge and skills at a higher level than you already have, or in a new vocational area. So, you will not be eligible to apply if you already hold the same or similar qualification in the vocational area of the apprenticeship.