

## Candidate Information

<b>Position:</b>	Apprentice Engineering Workshop Technician
<b>School/Department:</b>	School of Mechanical and Aerospace Engineering
<b>Reference:</b>	23/110998
<b>Closing Date:</b>	Sunday 11 June 2023
<b>Salary:</b>	Starting salary £22,214 per annum. Within the duration of the apprenticeship there will be opportunity to progress to the top salary point of the grade. On successful completion of the apprenticeship, the apprentice will progress to a permanent role of Technician, minimum Grade 3 (first salary point currently £23,144) with the opportunity of further annual increments.
<b>Contract Duration:</b>	Initially 3 years. Upon successful completion of the 3 year apprenticeship the successful candidate will move to permanent Technician position
<b>Anticipated Interview Date:</b>	Monday 19 June 2023

### JOB PURPOSE:

To provide a specialist technical service in support of research and teaching projects.

To develop relevant competencies and expertise over the three-year duration of the apprenticeship programme through in-house training, completion of professional/academic qualifications and tailored support and mentoring. Successful completion of the apprenticeship will lead to appointment to a permanent Technician post within the University.

### Major Duties

1. Train in manufacturing of engineering components to a high level of precision, using CNC and conventional Machine Shop techniques and processes.
2. Train in programming and operation of CNC Machine Tools, Primarily Lathes and Milling machines, using CAD & CAM software.
3. Learn to interpret engineering drawings
4. Train in the generation of Machine Tool Code using off-line Programming Systems.
5. Provide assistance to academic/technical staff and students in the development, construction and modification of components and apparatus using conventional and computerised engineering processes including Computer Aided Drawing.
6. Train in the construction and assembly of apparatus in house & off-site, if required.
7. Learn to maintain and service workshop equipment and apparatus. Compliance with relevant statutory safety regulations. Contribution to general workshop tidiness.
8. Compliance with Health and Safety procedures affecting self and others.
9. Any other duties which are appropriate to the post as may be reasonably requested by the supervisor/line manager.

### Planning and organising:

1. Learn how to prioritise own work within a general plan to meet deadlines.
2. Learn to plan layout of the laboratory/workshop as well as assessing requirements and resources needed in advance.

### Resource Management Responsibilities:

1. Develop the ability to take delegated responsibility for the maintenance and repair of equipment.
2. Support student learning through the development and demonstration of standard equipment and techniques.

### Internal and External Relationships:

1. Daily contact with Supervisor/Line Manager, work colleagues, University staff and students.
2. Learn the ability to liaison with external contacts when required.

### ESSENTIAL CRITERIA:

1. Hold or be about to obtain a minimum of 5 GCSE's A\*-C (9-4) or equivalent (e.g. NVQ level 2) to include Maths, English and a relevant subject(s) . (e.g. Physics).
2. Proven basic knowledge of regulations and procedures, including H&S requirements.
3. Demonstrable knowledge and interest in the subject of Mechanical Engineering.

**DESIRABLE CRITERIA:**

1. Ability to demonstrate communication skills appropriate to a professional working environment.
2. Evidence of developing/improving/enhancing skills through practical application.
3. Competent in the use of Information & Technology and relevant software packages such as MS Word, Excel.
4. Ability to demonstrate a methodical and logical approach to tasks.
5. Ability to work on own initiative and to prioritise tasks.
6. Able to demonstrate working successfully as part of a team.