



Candidate Information

Position:	Technician
School/Department:	School of Mechanical and Aerospace Engineering
Reference:	19/107610
Closing Date:	Friday 26 July 2019
Salary:	£24,028 - £27,831 per annum (potential to progress to £29,514 per annum through sustained exceptional contribution)
Anticipated Interview Date:	Monday 12 August 2019

JOB PURPOSE:

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

MAJOR DUTIES:

1. Manufacture of engineering components to a high level of precision, using CNC and conventional Machine Shop techniques and processes.
2. Programming and operation of CNC Machine Tools, Primarily Lathes and Milling machines, using CAM software.
3. Ability to interpret engineering drawings.
4. 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. Construction and assembly of apparatus in house & off-site, if required.
7. Maintenance and servicing of workshop equipment and apparatus. Compliance with relevant statutory safety regulations. Contribution to general workshop tidiness.
8. Allocation of tasks to technical staff if required to do so and follow up to ensure work is completed to required standards and timescales.
9. Compliance with Health and Safety procedures affecting self and others.
10. Any other duties which are appropriate to the post as may be reasonably requested by the supervisor/line manager.

Planning and Organising:

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

Resource Management Responsibilities:

1. Take delegated responsibility for the maintenance and repair of equipment.
2. Allocate/delegate some work to others for specific activities.
3. Support student learning through the development and demonstration of standard equipment and techniques.

Internal and External Relationships:

1. Daily contact with work colleagues, academic staff and students.
2. Liaison with external contacts when required.
3. Regular liaison with supervisor/line manager.

ESSENTIAL CRITERIA:

1. OND/ONC and/or NVQ level 3 or above (or equivalent standard) in an engineering discipline and/or apprenticeship in a precision manufacturing environment.
2. Post qualification, three years relevant work experience to include programming and operation of CNC machine tools, Lathe's and Milling machines.

3. Manufacture of component parts to a high level of precision using CNC and conventional means.
4. Comprehensive knowledge of relevant systems, equipment and processes used in a modern manufacturing CNC machine shop.
5. High level of skill with regard to operation of conventional workshop equipment.
6. Well developed understanding of relevant regulations and procedures including Health and Safety requirements.
7. Good communication and interpersonal skills.
8. Ability to develop and demonstrate standard procedures processes and techniques in relation to engineering workshop practice.
9. Ability to prioritise own work within a general plan to meet deadlines.
10. Analytical and problem solving skills.
11. Must be willing to additional hours during peak periods needed.
12. A Trade Test will be carried out in an Engineering Machine Shop/Workshop as part of the selection process

DESIRABLE CRITERIA:

1. Time served as a Toolmaker.
2. Experience in Solidworks.
3. Knowledge of Fanuc and Heidenhain Control System Functions.
4. Experience in Wire and Die-Sink EDM processes.
5. Willingness to work in a team as well as own initiative
6. Full driving license or ability to meet the mobility requirements of the post.