Candidate Information

Position: Manufacturing Technician - Automation
School/Department: BRCD AMIC
Reference: 25/112577
Closing Date: Monday 9 June 2025
Salary: £30,948 - £35,492 per annum
Anticipated Interview Date: Monday 23 June 2025
Duration: 3 years

JOB PURPOSE:

We are seeking a manufacturing technician who can support Automation and Robotics projects being delivered as part of AMIC's advanced manufacturing activities. You will assist with workshop-based research and development activities and apply your knowledge and experience to ensure outputs which will have a direct economic and technical benefit to AMIC and our partner companies. You will work collaboratively with the Automation and Robotics team and industry partners to help deliver key projects focused on advanced manufacturing.

AMIC is a £100M investment through the Belfast Region City Deal - a collaborative, innovative powerhouse of advanced manufacturing set to elevate our region globally.

We are supporting economic growth and prosperity for Northern Ireland by creating high quality jobs and increasing inward investment through high value manufacturing innovation clusters.

We are driving industrial transformation, paving the way for future technologies and competing globally with a more sustainable focus.

Our launch team of over 40 staff has core capabilities in digitalising manufacturing, smart design, sustainable polymers & composites and nanotechnologies & photonics. We're excited to be expanding the team throughout 2024.

MAJOR DUTIES:

1. Assist with the installation and setup of advanced manufacturing equipment, including industrial robots, welding equipment, fixturing systems, etc.
2. Operate robotic and other automated workshop equipment in support of industrial research and development projects.
3. Inspection of manufactured components with a range of inspection equipment.
4. Assist with all routine and ad hoc maintenance of workshop equipment, including running tests, replacing parts and managing the inventory of parts and supplies.
5. Setup of workshop-based demonstrations as required in support of AMIC and industry based projects.
6. Support AMIC engineering teams in the development of new or improved engineering methods of manufacture.
7. Develop, as appropriate, documentation outlining step by step processes to be followed by trained personnel to ensure workshop based machinery is operated effectively and safely.
8. Visit the sites/workshops of industry partners as required and assist with the support of collaborative projects.
9. Carry out routine administrative tasks as required.
10. Any other duties which are appropriate to the post as may be reasonably requested by your Supervisor.

ESSENTIAL CRITERIA:

1. OND/ONC and/or NVQ level 3 or above (or equivalent standard) in a relevant engineering discipline and/or a recognised, apprenticeship completed in an engineering environment OR lower qualifications with significant and relevant industrial experience.

2. Two years (post apprenticeship) experience in an engineering manufacturing environment which should include one or more of the following:
   a. Operation of automated machinery, such as industrial/collaborative robots, CNC machine tools, automated welding.
   b. Developing and demonstrating standard procedures, processes and techniques in relation to modern engineering workshop practice.
   c. Programming experience of CNC machine tools, industrial/collaborative robots.
3. Demonstrable analytical skills with a proven track record in solving engineering related problems.
4. Strong IT skills (Microsoft Word, Microsoft Excel).
5. Good communication and interpersonal skills with an ability to work well in a team and on own initiative.
6. Ability to prioritise own work to meet deadlines.
7. Ability to think logically and formulate plans to solve problems.
8. Willing to gain experience and learn new skills and techniques
9. Ability to forming good working relationships with students, staff and external collaborators.

DESIRABLE CRITERIA:

1. HNC/HND or equivalent in a relevant engineering discipline.
2. Health & Safety qualifications.
3. Demonstrable experience of:
   a. Operation and programming of robotic equipment.
   b. Operation and programming of CNC machinery.
   c. The use of computer aided manufacturing (CAM) software.
   d. Off-line programming of automated machinery (e.g. CNC, robot, etc.).
4. Experience using 3D CAD systems to assist with the design of engineering solutions.
5. Knowledge of installation and setup of automation and/or robotic technologies.
6. Demonstrable evidence of delivering projects to agreed deadlines and within budget.