

## Candidate Information

<b>Position:</b>	Project Engineer, CNC Machining
<b>School/Department:</b>	BRC D AMIC
<b>Reference:</b>	25/112380
<b>Closing Date:</b>	Monday 10 February 2025
<b>Salary:</b>	£33,785 - £38,765 per annum
<b>Anticipated Interview Date:</b>	Monday 24 February 2025
<b>Duration:</b>	Fixed Term - Full Time, Available for approx. 3 years

### JOB PURPOSE:

We are seeking a highly motivated Project Engineer to work in AMIC's CNC Machining team to support projects being delivered as part of AMIC's advanced manufacturing activities.

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 experienced staff has core capabilities in digitalising manufacturing, smart design, sustainable polymers & composites and nanotechnologies & photonics. We're excited to be expanding the team throughout 2025.

### JOB PURPOSE AND IMPACT:

We are seeking engineers who want to develop and apply their knowledge to the challenges of industry and society to support the delivery of CNC machining projects within AMIC's advanced manufacturing activities. You will apply your knowledge and experience of methods and processes to support innovative research outputs which have a direct economic and technical benefit to companies. In conjunction with Senior engineering colleagues you will work collaboratively with industry partners, technology providers, national technology centres and academia to deliver key projects focused on advanced CNC machining.

### MAJOR DUTIES:

1. Apply technical knowledge and experience in the development of innovative processes in areas of milling, turning, mill-turn.
2. Support Senior colleagues in the development and implementation of CNC processes e.g. machining trials, case studies and direct client project delivery.
3. Support the implementation of Digital Technologies, e.g. sensors and software to improve cost and quality of manufactured components.
4. Support the evaluation of new or enhanced machine tools, work holding methods, machining strategies and emerging technologies.
5. Assist in the transfer of AMIC knowledge and capabilities to industrial partners through machining trials, case studies and direct client project delivery.
6. Participate collaboratively in high quality industrial research, development and knowledge transfer in the area of CNC Machining and advanced manufacturing.
7. Ensure all equipment is used safely and in accordance with standard operating procedures and Health and Safety guidance.
8. Plan and organise project work to achieve technical objectives in a timely manner.
9. Undertake any other duties that may reasonably be requested by management.

**ESSENTIAL CRITERIA:**

1. Honours degree or equivalent in a relevant engineering discipline, science, or a related discipline with significant relevant industrial experience OR minimum HNC in a related engineering discipline with extensive recent and relevant industrial experience.
2. Demonstrable experience and in depth understanding of CNC machining processes.
3. Experience of using 3D CAD packages to assist with the design of test parts or fixturing in support of project delivery goals.
4. Demonstrable evidence of working on a range of Industrial CNC equipment e.g. milling, turning, mill-turn machines.
5. Knowledge of safety systems and their use in a CNC machining workshop environment.
6. Demonstrable evidence of delivering projects to agreed deadlines and within budget.
7. Knowledge of CNC Control Systems Functions e.g. Siemens 840D, Fanuc.
8. Excellent written and verbal communication skills, including ability to communicate complex technical information.

**DESIRABLE CRITERIA:**

1. Postgraduate qualification in a relevant discipline.
2. Experienced in programming CNC machines using Computer aided manufacturing (CAM) tools. E.g. MasterCam, Catia, Siemens NX, Hypermill.
3. Evidence of complex problem-solving skills in an engineering environment.
4. Participation in multi-disciplinary projects and effective team working.