



# Introducing technical upskilling... **on your terms**

Free part-time  
and flexible Level 4  
technical courses  
available for your staff

**Take**  
advantage of the  
In-Work Skills pilot

# Welcome

## Take advantage of the In-Work Skills pilot

The Black Country & Marches Institute of Technology has been selected to deliver the Government's new In-Work Skills pilot and this gives manufacturers in the Marches area a unique opportunity to upskill their existing employees.

Companies will be able to book any member of staff aged 19+ on to one of three Level 4 technical courses in Automated Machining, Industrial Robotics and Quality Assurance.

The good news is these are completely free of charge and, better still, can be completed part-time, giving you and your employees the best chance to learn new skills at a time that suits both of you.

All the courses will be delivered by our delivery Ofsted 'Outstanding' In-Comm Training at its new state-of-the-art academy in Telford, which features more than £4m of CNC machining, fluid power control, welding bays, metrology and additive manufacturing technology.

The In-Skill Pilot will also tap into In-Comm's wealth of technical partners to provide industry-leading knowledge and equipment, including robotic specialist Bauomat and CNC machine tool supplier Engineering Technology Group.

### Benefits to the employer

- Access to high quality Level 4 technical courses
- No cost at a time when recruitment and training budgets are stretched
- Flexible and part-time learning meaning you won't lose valuable resource when you need it most
- Opportunity to shape the content of the courses so they maximise their benefit to industry
- Upskill employees to take advantage of new manufacturing technologies and capabilities

### Benefits to the individual

- Access to state-of-the-art technology
- Chance to gain Level 4 Technical Qualifications
- Blended learning to include online and face-to-face training, often at a time to suit you
- Upskill to aid your career development and promotion opportunities

### Eligibility

- Manufacturer based in the Marches
- Employees must be aged 19+
- Desire to upskill your workforce

### Qualifications

All courses are Level 4 and will be delivered one day per week over a three-month period, beginning the first week of January.

All learners will have to complete assignment-based examinations to ensure they have the necessary knowledge and understanding of the specialist topics.

Attendance is compulsory at all twelve sessions in order to gain the free funding and the qualification.

### How do I take part?

There are tens of places available on these courses and, to apply, all you need to do is email [sales@in-comm.co.uk](mailto:sales@in-comm.co.uk) or contact us on 01922 457686.

One of In-Comm Training's Advisers will check your eligibility and talk you through the easy-to-complete application process.



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TRAINING CENTRE

IC UP SKILLING

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# Automated Machining of Materials – Level 4

This course will give learners an excellent opportunity to develop an understanding of modern machining systems and the importance of information links between CAD product and manufacturing data.

It will also explore the role of process planning in manufacturing and the types of process planning available to you on the shopfloor.

On successful completion, individuals will be able to prepare part-programmes for a CNC machine, set up a CNC machine to safely machine a part, test and prove a new part-programme and, if necessary, edit the programme and produce the part on a CNC machine.

## **Learning outcomes at a glance**

The learner will understand:

- The use of automation in modern machining systems
- The information links between CAD and manufacturing systems
- Process planning for manufacture
- How to produce CNC part-programmes

Importantly, they will be able to produce parts using CNC machines.

In-Comm Training is working with technical partner Engineering Technology Group, a leading machine tool and turnkey solutions provider to deliver this Level 4 course.



# Industrial Robotics - Level 4

Learners will develop an understanding of robots and gain knowledge of how they can be used in a wide variety of applications to boost productivity.

They will develop experience of the classification, geometrical and kinematic configurations of robot arms, their accuracy and repeatability and the types of computer-based systems they are controlled by.

Robot programming methods will be introduced in the unit and learners will have the opportunity to create and test their robot programmes.

## **Learning outcomes at a glance**

The learner will understand:

- The developing trends for using robots in engineering and manufacturing
- Robot arms and their configurations
- How to produce working robot programmes
- Robot Cell Design

In-Comm Training is working with technical partner Bauromat, a robotic & automation systems integrator to deliver this Level 4 course.



# Quality Assurance & Control – Level 4

This course will equip learners with the skills and knowledge required to assess and evaluate quality management systems in a manufacturing environment.

Experts will teach individuals the importance of quality assurance and control within an organisational culture and how to implement processes to boost the operational performance of the business.

They will gain a key insight into a number of business excellence models, whilst learning the initial principles of Six Sigma project management.

## **Learning outcomes at a glance**

The learner will understand:

- The importance of quality assurance and quality control within an organisational culture
- How a total quality management system operates
- The implementation process of quality management systems
- Business excellence models
- Key principles of Six Sigma
- The techniques and methods applied to the quality control of goods and services
- The use and application of codes, practice, standards and design guides

In-Comm Training is utilising their own in-house Black Belt qualified delivery team to deliver this Level 4 course.



# About the Black Country & Marches Institute of Technology

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The Black Country & Marches Institute of Technology is a new approach to delivering today's technical education for tomorrow's careers.

A vibrant learning environment has been created that leverages the capabilities of academia, employers and higher education, all geared towards providing high quality training opportunities with clear pathways to skilled jobs in automotive, advanced engineering, aerospace, construction, medical and renewables.

The IOT will help hundreds of local firms address recruitment and skills shortages, as well as giving thousands of individuals the chance to gain new 'in-demand' skills for modern industry.

It taps into the expertise of Dudley College of Technology, University of Wolverhampton, University of Worcester, Avensys and In-Comm Training for the Marches spoke of the Institute.

## Coming Soon

The Marches element of the IOT will be housed at In-Comm's new training academy on Telford 54 and this will be up and running from January 2022.

Over 20,000 sq ft of dedicated learning space has been kitted out with £4m of new technology, ranging from the latest 4 and 5-axis CNC machines and 3D printing capacity to 15 welding bays and state-of-the-art automation and robotics.

All of this is delivered by industry-leading trainers, who have more than 100 years' combined experience of working in engineering and manufacturing for SMEs and OEMs.

The In-Work Skills pilot will be just the start, with plans already in place to have more than 20 different technical courses available by the middle of next year.

BLACK COUNTRY & MARCHES  
I N S T I T U T E O F  
T E C H N O L O G Y

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