Course Information

CITY OF WOLVERHAMPTON COLLEGE

Polymer – Injection Moulding Advanced Processing Techniques

Study Mode: Part Time

Is this course right for me?

Specifically designed for highly competent technical staff involved in the injection moulding process who now wish to undertake further processing optimisation and efficiency improvement projects. In particular: Manufacturing and Process Engineers, Processing Technicians, Efficiency Improvement Coordinators.

If you complete this course along with Process Troubleshooting you will be issued the Injection Moulding Technology Part 4 award.

Delivery Information

This duration of this course is 4 days

This course will run from the following dates:

- 26 January 2026
- 27 April 2026
- 1 September 2026
- 2 November 2026

Cost per person: £1710

Entry Requirements

Candidates must possess existing high levels of skill and knowledge, either by having been awarded an NVQ Level 3 in processing, or having passed PTIC's Injection Moulding Technology Part 3 end of course assessment or by scoring a mark of 90% or above in our pre-course questionnaire.

What will I learn?

On completion of the course, the delegates will be able to:

- Introduce machine variables to maximise product quality
- Understand the rheology of polymer materials as they flow
- Consider profiled speed settings within the injection phase
- Consider profiled pressure settings within the holding phase
- Discuss alternative advanced injection moulding manufacturing technologies currently available
- Evaluate the relative performance of various switchover trigger signals
- Conduct a Design of Experiments tool trialling exercise
- Quantify production stability and efficiency levels using industry standard models

What skills will I gain?

Advanced Processing Certificate of Achievement. Material covered has been aligned to the content of an NVQ at Level 3 and can be used as underpinning knowledge towards achieving the award.

How will I be assessed?

Candidate assessment will be undertaken as part of the training course. The feedback management report, showing individual results, will be returned to the candidate’s company representative to assist in the identification of any further training needs or potential career opportunities within the company.

What can I do next?

Delivery

Location: Telford Campus

Start Date:

Day:

Time:

Course Fee: 1710.00

Course Code: POL12

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