

Polymer - Injection Moulding Technology Part 3

Study Mode: Part Time

Is this course right for me?

This course is ideal if you are involved in, or looking to progress within, the injection moulding industry and want to develop advanced, hands-on skills in configuring and optimising moulding processes. Designed for technicians, engineers, and production personnel, it provides in-depth knowledge of machine construction, mould tool design, process parameters, and material behaviour. You'll gain the confidence to carry out full machine set-ups, troubleshoot product faults, and implement safe and efficient working practices — ensuring you can maximise both product quality and output in a professional manufacturing environment.

Delivery Information

This duration of this course is 4 days

This course will run from the following dates:

- 12 January 2026
- 2 February 2026
- 2 March 2026
- 30 March 2026
- 11 May 2026
- 1 June 2026
- 6 July 2026
- 21 September 2026
- 26 October 2026
- 23 November 2026
- 21 December 2026

Cost per person: £1,510

Entry Requirements

What will I learn?

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

- Demonstrate an understanding of safety requirements for injection moulding and use safe working practices
- Describe the construction of an injection moulding machine, the function of component parts and process parameters
- Set up clamping units on a range of injection moulding machines
- Demonstrate an understanding of mould tool design, quality systems and machine control methods
- Carry out initial set-up of the injection unit using a systematic procedure
- Start-up and shut-down an injection moulding machine safely and efficiently
- Recognise common product faults
- Demonstrate an understanding of plastics material technology
- Recognise a range of product faults, identify possible causes and select appropriate remedies
- Carry out a complete set-up from zero
- Undertake machine condition setting in a logical and systematic manner
- Complete a full mould trial applying logical and systematic procedures
- Maximise product quality and output rates

What skills will I gain?

Polymer Processing Certificate Part 3 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, if so desired.

How will I be assessed?

Individual candidate knowledge levels are assessed at the end of the training programme and a management report is provided to help identify further training requirements or career progression possibilities. This is a PTIC assessment of knowledge for the injection moulding process but candidates can then progress towards achievement of their PTIC Approved Technicians Award by successfully completing a further practical assessment

What can I do next?

Delivery

Location: Telford Campus

Start Date:

Day:

Time:

Course Fee: 1510.00

Course Code: POL113

Study Mode: Part Time

Apply online: www.wolvcoll.ac.uk/apply