

## 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:** POL16

**Study Mode:** Part Time



Apply online: [www.wolvcoll.ac.uk/apply](http://www.wolvcoll.ac.uk/apply)

