



Science Manufacturing Process Operative Standard - Level 2 Apprenticeship

The broad purpose of the occupation is to complete science based manufacturing processes to produce materials and products

following standard operating procedures. Products are varied and may include battery cells, composite wind turbine parts, drugs, plastic bottles, proteins, and solvents. This involves checking and preparing materials and using specialist science-based manufacturing process plant or equipment. They monitor the process and take action to resolve deviations. Maintaining the work area is part of the role. They contribute to quality control, continuous improvement, and problem-solving activities. They also complete work records, which are important in regulated workplaces. Process manufacturing industries are highly regulated. The Medicines and Healthcare Products Regulatory Agency (MHRA) in the pharmacy setting and other industry regulators inspect employers. Employers must manage risks to the employee, product, environment, and sometimes the wider community.

WHO IS IT FOR?

Learners working in a pharmaceutical aseptic environment may be involved in checking and preparing materials and using specialist

science-based manufacturing process plant or equipment. They monitor the process and take action to resolve deviations. Maintaining the work area is part of the role.

They also contribute to quality control, continuous improvement, and problem-solving activities and complete work records, which are important in regulated workplaces.

In their daily work, they interact with other science process manufacturing operatives and technicians, along with colleagues from other business functions. They typically report to a shift manager, team leader, or supervisor. They are responsible for meeting work schedules. They must work to quality, health and safety, and environment regulations and procedures. This may include wearing personal protective equipment and complying with Control of Substances Hazardous to Health (COSHH). They may work alone or as part of a team, under supervision.

PROGRESSION

Apprentices who complete the Science Manufacturing Process Operative programme will aim to gain promotion to senior team leading

Location: Workplace and College



roles or can progress onto the Science Manufacturing Technician Apprenticeship.

TRAINING

Included in the programme:

- Level 2 Certificate in The Principles and Practices for Pharmaceutical Technical Support Services
- 11 Occupational duties (KSBs)
- Functional Skills English and Maths Level 2 where needed

END POINT ASSESSMENT

The EPA which can run up to 3 months includes an observation, professional discussion and multiple choice exam.

Pass, Merit or Distinction grades may be awarded.

NEXT STEPS

- Further training or employment

KEY EMPLOYERS

- Barts Health, Kings College Hospital
- Lewisham and Greenwich NHS Trust

FUTURE OPPORTUNITIES

Learners who complete the Science Manufacturing Process Operative apprenticeship can look forward to a rewarding career in a growing sector. They will have the skills and knowledge to make high-quality medicinal products to support the treatment of patients in hospitals or living with severe medical conditions. Science Manufacturing Process Operatives have the right values, behaviours and skills to work in a process lead environment following strict aseptic processes and procedures.

Location: Workplace and College

