

SCIENCE MANUFACTURING PROCESS OPERATIVE

Level 2

Duration 12 months



INTRODUCTION

This apprenticeship builds essential skills for safely operating equipment, handling chemicals, and monitoring production in the science manufacturing sector, providing a strong foundation for manufacturing careers.



JOB ROLES

- Process support operator
- Batch maker
- Manufacturing process operator
- Production process operator



DELIVERY MODEL

- 20 lessons over 8 months
- Assessment in the workplace
- ½ day knowledge delivery - online (for cohorts of 6 or more, this can be delivered in the workplace)
- Repeat opportunities to attend knowledge sessions around operational complexities



KNOWLEDGE MODULES

- Principles of HSE in PIM
- Work effectively both individually and as part of a team
- Fundamentals of Process Industry Manufacturing Operations
- Fundamentals of Science and Mathematical principles in PIM
- Thermodynamics & Fluid Flow (Heat)
- Fundamentals of Chemistry
- Technical Drawings & Process Diagrams



A SCIENCE MANUFACTURING PROCESS OPERATIVE WILL;

- Carry out process manufacturing operations using or operating plant or equipment in line with standard operating procedures
- Arrange and prepare materials for process activity
- Carry out pre-start checks of equipment and process before run or as part of handover responsibilities
- Contribute to quality control: conduct quality checks and escalate concerns
- Contribute to first-line maintenance, directly or through escalation. For example, equipment checks cleaning, and lubrication
- Carry out end of process activities. For example, finish, pack, discharge or move goods



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