

PROCESS INDUSTRY MANUFACTURING TECHNICIAN

Level 3

Duration **24 months**



INTRODUCTION

This programme trains apprentices to enhance manufacturing processes, improve product quality, and ensure operational efficiency. It equips learners with skills to support seamless process operations. industry operations.



JOB ROLES

- Process operator
- Production technician
- Production operator
- Process manufacturing technician



DELIVERY MODEL

- Average 1 day per week of knowledge delivery - online (for cohorts of 6 or more, this can be delivered in the workplace)
- Assessment in the workplace
- Repeat opportunities to attend knowledge sessions around operational complexities



KNOWLEDGE MODULES

- Health, Safety and Environmental Sustainability in Process Manufacturing
- Scientific and Mathematical Principles in Process Manufacturing
- Maintaining Quality Standards in Process Manufacturing
- Problem Solving & Continuous Improvement in Process Manufacturing
- Information & Digital Technology



A PROCESS INDUSTRY MANUFACTURING TECHNICIAN WILL;

- Run and maintain process industry plant and equipment in line with operational parameters.
- Resolve and report, or escalate, process, quality, health and safety, environment, and operating environment issues when operating out of normal parameters.
- Conduct dispatch of intermediate product or final processed product
- Conduct handover responsibilities - receiving information from or providing information to other shifts or maintenance teams
- Complete process documentation - digital or paper based.
- Conduct first line routine maintenance and testing of process and plant equipment
- Prepare plant for shutdown for example, for maintenance, overall, and decommissioning
- Bring process industry equipment back on-line

Additional Modules*

- Steam generation and distribution in process industries
- Drying
- Mixing & blending of solids and fluids
- Principles of Process Control & fault diagnosis
- Crystallisation
- Distillation
- C&G L3 in Occupational H&S

* Additional modules will be chargeable



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