

*“Bringing UK approved
qualifications and standards
for excellence to the world”*



Level 2: Certificate

Manufacturing, Planning & Control

The Level 2 qualification in Manufacturing, Planning and Control is designed for students with limited experience in the supply chain sector but who would like to establish a career in the field. The course develops key skills and knowledge required for the student to move into a supervisory management or team leader role and improve operational efficiency.



Course Breakdown

C Certificate Requirements

To gain the certificate you must complete:
4 mandatory units

* GLH - Guided Learning Hours

* UCV - Unit Credit Value

Mandatory Units

Warehousing & Inventory

GLH - 50 UCV - 5

- Purpose and characteristics of inventory
- Understanding how goods are received in a warehouse
- Key warehousing activities
- Health and safety in a warehouse environment

IT in Manufacturing

GLH - 20 UCV - 2

- Understanding the function of IT in manufacturing
- Understanding the role of IT in manufacturing
- Policies and procedures that affect IT in manufacturing

Manufacturing, Planning & Control

GLH - 50 UCV - 5

- Understanding the manufacturing process
- The role of assembly in manufacturing
- Manufacturing improvement techniques
- The importance of production planning
- Understand the process of external organisations in the manufacturing process

Supply Chain

GLH - 50 UCV - 5

- Understand supply chains across a range of sectors
- The roles of other organisations in supply chain
- Communication and information sources within a supply chain

Level 3: Certificate & Diploma Manufacturing & Production

The Level 3 qualification in Manufacturing & Production is designed for students with a minimum of 2 years experience in a supply chain related field, who wish to develop key knowledge in business and leadership at supervisory management level. Students can acquire skills in specific areas of the manufacturing and the production processes to support career development.



Course Breakdown

C Certificate Requirements

To gain the certificate you must complete:
2 mandatory units and a minimum of 3 credits from the optional units

D Diploma Requirements

To gain the diploma you must complete:
2 mandatory unit and a minimum of 21 credits from the optional units

* GLH - Guided Learning Hours

* UCV - Unit Credit Value

Mandatory Units

Manufacturing & Production GLH - 90 UCV - 9

- Understanding how manufacturing and production processes are organised
- Techniques to plan production
- Monitors the quality and efficiency of activities in production
- Impact of technology developments on production
- Impact of external factors on production activities
- The appropriateness of production methods used by organisations

Production, Planning & Control GLH - 90 UCV - 9

- Understand the role of production planning in corporate strategy
- Underlying aspects of production planning from a technical perspective
- Production planning techniques
- The role of forecasting in production planning control techniques

Optional Units

Inventory Processes GLH - 90 UCV - 9

- Understanding inventory and the associated processes
- Understanding stock and the associated processes
- Inventory systems
- Techniques used to plan levels of stock
- Understanding the financial value of holding stock
- Understand how modern inventory systems can improve stock control

MRP/ERP Systems GLH - 30 UCV - 3

- Principles of Materials Requirements Planning (MRP) and Enterprise Resource Planning (ERP) systems
- Scope of MRP/ERP systems within own organisation
- Reasons for monitoring and controlling MRP/ERP systems

Supply Chain GLH - 90 UCV - 9

- Concept of supply chain
- Importance of supply chain management
- Concepts of lean within a supply chain
- Understanding linkages within a supply chain

Lean Manufacturing GLH - 30 UCV - 3

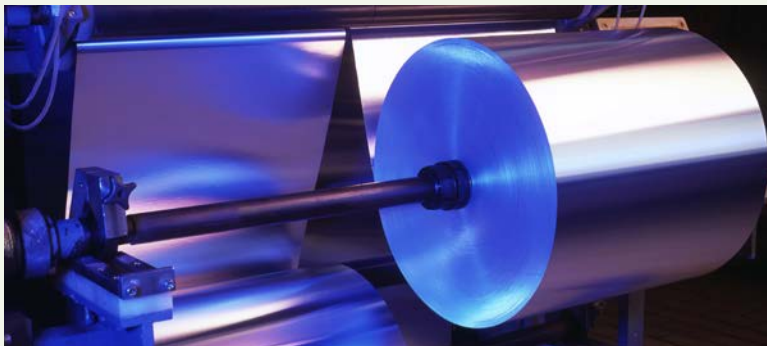
- Understanding the aim of lean manufacturing
- Factors that influence lean manufacturing operations
- Importance of appropriate requirements for the development, monitoring and enforcement of lean manufacturing

Environmental Issues in Manufacturing GLH - 30 UCV - 3

- Importance of environmental issues in manufacturing
- Identifying factors that influence environmental issues
- Appropriate infrastructure and equipment requirements for environmental issues
- Importance of monitoring and control for environmental issues

Level 5: Certificate & Diploma Production Management

The Level 5 qualification in Production Management is intended for students with significant experience working at management level within the supply chain sector and looking to progress to a senior management role. The course allows students to develop production management in order to support career development and operational efficiency.



Course Breakdown

C Certificate Requirements

To gain the certificate you must complete:
2 mandatory units and a minimum of 3 credits from the optional units

D Diploma Requirements

To gain the diploma you must complete:
2 mandatory units and a minimum of 17 credits from the optional units

* GLH - Guided Learning Hours

* UCV - Unit Credit Value

Mandatory Units

Production Management <ul style="list-style-type: none"> Production planning and its function within a supply chain Inter-relationships between production planning, sales planning and forecasting Understand terminology associated with master scheduling and basic scheduling concepts Understand manufacturing and control system development Understand measures to improve production planning performance 	GLH - 100 UCV - 10	Operations Management Processes <ul style="list-style-type: none"> Operations and operations management within business Design of operations processes and design of products and services that organisations produce Correlation between operations management and strategic planning Operations improvement techniques Understand the key challenges for an organisation 	GLH - 100 UCV - 10
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Optional Units

Inventory <ul style="list-style-type: none"> Understand inventory management Principles of fixed period and fixed quantity models of inventory control Understand the impact of inventory management on the supply chain Modern inventory systems to improve the performance Importance of inventory management to minimise the stock level 	GLH - 100 UCV - 10	Master Scheduling Techniques <ul style="list-style-type: none"> Purpose and principles of Master Scheduling Techniques (MST) Understand the scope of Master Scheduling Techniques (MST) within own organisation Understand the reasons for monitoring and controlling Master Scheduling Techniques (MST) 	GLH - 30 UCV - 3
Quality Management <ul style="list-style-type: none"> Evaluate quality management systems for use in business Advantages of having a quality management system in place Understand the tools and techniques to manage quality Quality management tools and techniques to improve performance 	GLH - 100 UCV - 10	Environmental Issues in Manufacturing <ul style="list-style-type: none"> Understand environmental issues in manufacturing Understand factors that influence environmental issues in manufacturing Organisational infrastructure for environmental issues in manufacturing Importance of monitoring and controlling the impact of manufacturing on the environment 	GLH - 40 UCV - 4



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