



IoSCM Manufacturing, Production and Operations Academy



WHY loSCM?

Guarantee success in your industry with IoSCM. We offer every student much more than just a qualification, we provide the opportunity to grow, learn and progress as a professional with our unrivalled support network.

- The most flexible distance learning package in the industry, adapt the course to study at your own pace and in your own time
- An easy to use, accessible online learning platform which provides unlimited access to customised resources and course materials
- Self-assessments, assignment preparation and tailored tutor feedback available at any time to provide you direction and guidance in your progress
- Access to premium revision and study tools such as timetables, planning guides, real life industry examples and useful websites
- Unlimited 1 to 1 support, guidance and feedback from IoSCM's industry expert tutor team
- First class study materials designed and developed by subject specialists
- Individually assigned Student Support Liaison dedicated to handling all enquiries or issues throughout your studies and acting as your personal mentor
- Communicate with your appointed support team through a range of methods including Whatsapp, Skype, Facetime, text, email or phone call
- Free monthly 1 to 1 workshops available to attend in person or online
- An impressive 98% pass rate across all qualifications
- Connect with students and professionals across the globe, interact on forums, offer or receive peer support and expand your network with IoSCM's online platforms
- Access even more benefits when you become a certified member of the Institute of Supply Chain Management, including discounts and free short courses

Spend less time and less money when you study with IoSCM. We offer the best possible chance to pass your qualification first time. In fact, we're so confident in your ability to succeed, we guarantee that if you fall into the 2% that don't pass first time, you can re-sit your study period, fully inclusive of IoSCM's signature support package, for **FREE**.

Attend monthly workshops for additional study support and

1 TO 1 TUITION

available **free** of charge **to all students**

Communicate with your dedicated support team through

WHATSAPP, SKYPE, FACETIME, TEXT, EMAIL OR CALL

at any time











UNLIMITED
SUPPORT, GUIDANCE
AND FEEDBACK

from IoSCM's industry expert tutor team









COURSE REQUIREMENTS

About this Course

IoSCM Level 2 Manufacturing Production and Operations qualification will cover the core function of a business including product development and the manufacturing process. You'll also gain knowledge of the components within said process and the support functions in manufacturing such as quality assurance.

Designed for students who would like to develop key skills and knowledge required to move into a supervisory management or team leader role and improve operational efficiency.

*Through completion of the IoSCM level 2 - Manufacturing, Production and Operations you will receive certification from IoSCM and also a regulated qualification, Level 2 in Supply Chain and Operations, via our partnership with SFEDI Awards as the Ofqual regulated Awarding Organisation.

Course Breakdown

A Award Requirements

To gain the award you must complete 1 core unit

C Certificate Requirements

To gain the certificate you must complete 1 core unit and any other 2 units

D Diploma Requirements

To gain the diploma you must complete 1 core unit and any other 3 units

Equivalent

The level 2 qualification is of the same level as a GCSE grade A* to C.

All loSCM qualifications are

INDUSTRY RECOGNISED









OPERATIONS
TEAM LEADER
£29,000

MANUFACTURING TEAM LEADERS

£25,000

MANUFACTURING OPERATIVE

£18,000

PRODUCTION OPERATIVE

£17,000

*Salaries are based on national averages and may vary depending on location







Core Units

Team Leader

- Teams and Groups
- Team Development
- Team Roles
- Leadership Styles

Introduction to Manufacturing Planning and Control

- **Business Core Function**
- Manufacturing Process Components
- Support Functions
- · Manufacturing Requirements
- · Information Required
- Production Planning
- Improvement Technique
- Engaging external organisations
- Planning and Control Techniques
 - Strategy
- Manufacturing Improvement Techniques

Optional Units

IT in Manufacturing

- The function of IT in manufacturing
- · The role of IT in manufacturing
- The policies and procedures that affect IT in manufacturing

Introduction to Business

- Range of business
- Business functions and departments
- Communication in business
- Quality management systems

Introduction to Supply Chain

- Supply chain
- · Successful supply chains
- Relationships between the links of a supply chain
- Roles organisations play

Introduction to Purchasing

- Functions of a purchasing system
- Stages of the life cycle
- · Stages of the purchasing process
- Methods used to gain information
- Supplier development
- Selection of suppliers
- Methods of Communication

Introduction to Movement of Goods

- Types of Goods
- Safe Handling of Goods
- Movement Methods
- Appropriate Modes of Transport
- · Transport Planning and Scheduling

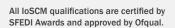
Introduction to Logistics

- Logistics type
- Service
- Supply chain in a logistics environment
- Types of logistics activities

Introduction to International Trade and Freight



- Freight
- Goods Identification
- Freight Organisations
- Trade Legislation and Regulations







IoSCM Level 3 Manufacturing, Production and Operations

ABOUT THIS COURSE

Our Manufacturing Academy supports learners to undertake manufacturing training through bespoke distance learning courses. Each qualification has been designed to meet the needs of the manufacturing, operations and production industry. Whether you are an employee or employer, our manufacturing courses provide a tailormade way to support skills development and professional progression in this diverse and fast-growing industry.

The level 3 qualification in Manufacturing and 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.

*Through completion of the IoSCM level 3 - Manufacturing, Production and Operations you will receive certification from IoSCM and also a regulated qualification, Level 3 in Supply Chain and Operations, via our partnership with SFEDI Awards as the Ofqual regulated Awarding Organisation.

Course Breakdown

A Award Requirements

To gain the award you must complete 1 core unit

C Certificate Requirements

To gain the certificate you must complete 1 core unit and any other 2 units

Diploma Requirements

To gain the diploma you must complete 1 core unit and any other 3 units

Equivalent

A level 3 qualification is of the same level as an A Level, however, studying with IoSCM allows complete projects within your workplace, and with previous knowledge and past experience.

All loSCM qualifications are

INDUSTRY RECOGNISED









Level 3 job title and salary expectations:

OPERATIONS
SHIFT MANAGER
£32,000

MANUFACTURING SUPERVISORS

£28,000

PRODUCTION
SECTION LEADER
£25,000

PRODUCTION CONTROLLER £27.000

PRODUCTION SCHEDULER

£27,000

*Salaries are based on national averages and may vary depending on location







Core Units

Manufacturing and Production



- Organising production
- Level of Demand
- Competitors
- · Sales forecasting
- Production planning
- Planning using Buffer Stocks
- Productivity
- Quantity of Inputs
- · Materials Development
- Analysis tools
- Lean

Business



- Range of Business
- Business Functions and Departments
- Quality Management Systems
- Communication
- Legislation
- Health and safety
- Marketing

Optional Units

Production Planning and Control



- Production Planning
- Business Plan
- Manufacturing capacity
- Resources
- Improvements
- Product Planning Control and Flow

MRP/ERP Systems



- Components of a MRP System
- Components of an ERP System
- · Implementation of MRP & ERP Systems
- Business implementation

Lean Manufacturing



- Lean techniques
- Lean principles
- Eight Deadly Wastes
- External Factors
- Internal Factors

Improving Team Performance



- Team Development
- Effective characteristics
- Issues encountered
- Team building
- Team evaluation
- Communication

Environmental Issues in Manufacturing



- Environmental issues in manufacturing
- The factors that influence environmental issues in manufacturing
- The importance of organisational infrastructure requirements for environmental issues in manufacturing

Business Improvement Techniques



- The need and application of business improvement
- Improvement Activities
- Improvement Activities Resources
- Communication





loSCM Level 3 Manufacturing, Production and Operations



UNIT SELECTION

Optional Units Continued

Warehousing Operations

- Warehouse Departments
- Bridge Between Supply and Demand
- Warehouse Management Systems (WMS)
- Types of Warehouses
- Warehouse Location Factors

Transport Planning Operations

- Role of Transport
- Transport
- **Principles of Transport Planning**
- Legislation & Regulations
- Health & Safety measures
- Transport Equipment

Supply Chain Operations

- The Supply Chain Relationships
- **Supply Chain Components**
- Logistics

6.

Integrated systems

Purchasing Processes



- Relationships
- Markets
- External factors
- Purchasing

Inventory

Sourcing suppliers

Ports and Shipping



-

- Port functions
- Seaport connection and transhipment
- Maritime network considerations
- Port considerations

Logistics



- Optimise use of logistics
- Modes of transport

Inventory Processes



- Purpose of Inventory
- **Inventory Control Process**
- Alternatives to holding Inventory

Freight

- Role of freight
- **Transport**
- Route Plan
- Environmental
- External influences
- Legislative



- **Customer needs**

- Technology, Information & communication technology







loSCM Level 5 Manufacturing Production and Operations Management



COURSE REQUIREMENTS

About this Course

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.

During this management qualification you will study and explore how to improve planning performance, control management systems and the organisational challenges the manufacturing and supply chain industry faces.

*Through completion of the IoSCM level 5 - Manufacturing, Production and Operations Management you will receive certification from IoSCM and also a regulated qualification, Level 5 in Supply Chain and Operations, via our partnership with SFEDI Awards as the Ofqual regulated Awarding Organisation.

Course Breakdown

A Award Requirements

To gain the award you must complete 1 core unit

C Certificate Requirements

To gain the certificate you must complete 1 core unit and any other 2 units

D Diploma Requirements

To gain the diploma you must complete 1 core unit and any other 3 units

ED Extended Diploma Requirements

To gain the extended diploma you must complete 1 core unit and any other 5 units

Equivalent

The completion of this qualification will give you a level of study that is equivalent to a HND or Foundation Degree.

All IoSCM qualifications are

INDUSTRY RECOGNISED









Level 5 job title and salary expectations:

OPERATIONS
LINE LEADER
£51,000

MANUFACTURING SHIFT MANAGER

£36,000

MANUFACTURING ENGINEER

£29,000

PRODUCTION IMPROVEMENT MANAGER

£42,000

ERP IMPLEMENTATION MANAGER

£40,000

*Salaries are based on national averages and may vary depending on location





IoSCM Level 5 Manufacturing Production and Operations Management



UNIT SELECTION

Core Units

Production Management



- Production planning
- Production planning, sales planning and forecasting
- Master Scheduling terminology
- Development of manufacturing and control
- Improve planning performance

Quality management systems

Advantages of quality management

Improve organisational performance

Operation Management Processes



- Operations management
- Operations processing
- Relationship between operations management and strategic planning
- Operations improvement techniques
- Organisational challenges

Optional Units

systems

Quality Management

Tools and techniques



Project Management



- Justification of a project
- Research and analyse data

Master Scheduling Techniques



- Principles of project management Principles of Master Scheduling
- Techniques
- Scope of Master Scheduling Techniques
- Monitoring and controlling Master Scheduling Techniques

Management Information Systems



Inventory



in Manufacturing

- Management Information System (MIS)
- Role of a Management Information System
- MIS and business strategy
- MIS and organisation change





- Purpose of inventory management
- Fixed period & fixed quantity models
- Effect of inventory management on supply
- Modern inventory systems

Environmental issues in manufacturing

- The factors that influence environmental issues in manufacturing
- The importance of organisational infrastructure requirements for environmental issues in manufacturing

Customer Service



- Customers Standards
- Improvements
- Policies and procedures
- Barriers to dealing with customer complaints

Warehousing



- Warehouse policies
- Requirements
- Inventory strategy
- Legislation

Transport Management



- Nature and purpose of transport planning
- Land use
- Sustainability
- Transport demand
- Movement of freight





IoSCM Level 5 Manufacturing Production and Operations Management



UNIT SELECTION

Optional Units Continued

Supply Chain Management

- · Effective management and control
- Physical and information flows
- Why supply chain may not function correctly
- Strategic and operational planning
- Impact of technology

Purchasing Management

- Key roles of management
- Impact of legislation
- Working relationships with suppliers
- Effective negotiating skills

Port and Shipping Management

- Shipping and international trade
- Business strategy in shipping
- Port operations management

Movement of Goods



- movement of goods The characteristics of goods and the
- impact on their handling
- Considerations that influence the flow of goods

Logistics

(

- Logistical requirements of a supply chain
- Customer needs
- Optimise use of logistics
- Modes of transport
- Technology, Information & communication technology



IoSCM Level 6 Manufacturing, Production and Operations Strategy



COURSE REQUIREMENTS

About this Course

Studying the Level 6 in Manufacturing and Production provides you with a fantastic platform to progress and develop your skills and expertise within the sector. You can study a variety of units to enhance your current role including; strategic management principles, strategic business planning in supply chain and management operations, amongst many others.

This manufacturing qualification is aimed at those who already have experience as a senior manager or Production Manager and have studied a lower level qualification prior. The IoSCM Level 6 is the equivalent to a Bachelor's Degree but studied in your own time, at your own pace and in the comfort of your own home.

*Through completion of the IoSCM level 6 - Manufacturing, Production and Operations Strategy you will receive certification from IoSCM and also a regulated qualification, Level 6 in Supply Chain and Operations, via our partnership with SFEDI Awards as the Ofqual regulated Awarding Organisation.

Course Breakdown

A Award Requirements

To gain the award you must complete 1 core unit

C Certificate Requirements

To gain the certificate you must complete 1 core unit and any other 2 units

D Diploma Requirements

To gain the diploma you must complete 1 core unit and any other 3 units

ED Extended Diploma Requirements

To gain the extended diploma you must complete 1 core unit and any other 5 units

Equivalent

The loSCM Level 6 is the equivalent to a Bachelor's Degree but studied in your own time, at your own pace and in the comfort of your own home.

All loSCM qualifications are

INDUSTRY RECOGNISED









PLANT MANAGER £55,000

MANUFACTURING MANAGER

£42.000

MANUFACTURING SITE MANAGER

£42,000

OPERATIONS MANAGER

£39,000

*Salaries are based on national averages and may vary depending on location







Core Units

Inventory

- Strategic role of inventories
- · Inventory cost on business performance
- · Managing order levels
- Inventory control

Operations Management

- · Operational strategy
- Managing people and change in the work place
- · Methods of managing capacity
- Operational scheduling and process management
- · Managing quality

Production Management

- Production
- Requirement of product design and production strategy
- Location, layout and productivity of manufacturing
- Forecasting, planning and scheduling of production
- · Purchasing and inventory management

Optional Units

Supply Chain Management

- Effective supply chains
- Meeting strategic objectives of an organisation
- Value of 3PL and 4PL
- Cause of supply chain failures
- · Developments in information technology

Business

- Internal and external environment
- Operating a marketing system
- Financial documentation
- Change management processes

Finance Management

- Balance Sheets, Income Statements and Cash Flow
- Cost vs. Value of developing a project
- Financial analysis and impact on short and long term business plans
- · Mergers and acquisitions

Human Resource Management



- Responsibilities of HRM
- HRM processes and practices
- HRM and performance management
- Methods of managing employment relationships
- · Reward management

International Freight Management



- Multimodal freight movement operation
- Legislation of the international movement of freight
- · Alternatives to moving international freight

Logistics Management



- · Key requirements of logistics management
- Setting up a logistic operation
- Benefits of different transport modes
- · Methods of rationalising logistic operations
- · Technology in logistics

Management



- Process of management activities
- Impact of leadership and management techniques
- Risk management
- · Organisational cultures
- · Factors impacting time management

Ports and Shipping

- Shipping and globalisation
- Value of operating and agile ports
- · Resource requirements
- · Containerised shipping operation

Purchasing Management



- Purchasing environment
- Purchasing strategy
- IT in the purchasing process
- Supplier assessment and performance rating
- · Support tools for the purchasing process

All IoSCM qualifications are certified by SFEDI Awards and approved by Ofqual.

-







loSCM Level 6 Manufacturing, Production and Operations Strategy



UNIT SELECTION

Optional Units Continued

Warehouse Management

- Warehouse requirements of business
- Warehouse layout for specific business
- Important considerations of a warehouse location
- Services of 3rd party distributors
- Support tools for the purchasing process

Quality Management

- Characteristics of quality
- Quality management systems Total Quality Management Systems in an
- organisation
- **European Foundation for Quality** Management (EFQM) Excellence Model
- Support tools for the purchasing process

Transport Management

1

- Transport planning and economic development
- Transport within a supply chain infrastructure
- Methods of trip distribution modelling
- Effective transport policy
- International movement of freight





About this Course

The IoSCM Level 7 Operations, Manufacturing, Production Planning and Control Academy is dedicated to helping those within the industry who are in a senior management role. This course allows students to study a flexible range of units and further develop skills within Operations, Manufacturing, Production Planning and Control areas.

*Through completion of the IoSCM level 7 - Manufacturing and Production you will receive certification from IoSCM and also a regulated qualification, Level 7 in Supply Chain and Operations, via our partnership with SFEDI Awards as the Ofqual regulated Awarding Organisation.

All loSCM qualifications are INDUSTRY RECOGNISED

Course Breakdown

C Certificate Requirements

To gain the certificate you must complete 3 core units in order of listing

D Diploma Requirements

To gain the diploma you must complete 3 core units in order of listing and any 1 optional unit

ED Extended Diploma Requirements

To gain the extended diploma you must complete 3 core units in order of listing and any 3 optional units

Equivalent

The level 7 from IoSCM is of the same level as a Master's Degree but developed to help you gain skills required to succeed and make a difference in the workplace.









Core Units

Strategic Management Principles

- -
- Strategic management
- Formulate organisational strategy
- Strategic effects of organisation plan
- Communicate organisational plan

Business Research





- Philosophies and approaches
- Plan project reports
- Research
- Compare research outcomes with specifications
- Present report

- Production
- Requirement of product design and production strategy

Manufacturing and Production

- Location, layout and productivity of manufacturing
- · Forecasting, planning and scheduling
- · Purchasing and inventory management

Optional Units

Global Procurement in Supply Chain



- Objectives for a procurement strategy
- Effectiveness of a procurement strategy
- Selecting Effective procurement methods

Corporate Finance



- Role of corporate finance manager
- Source of debt
- Evaluating investment
- · Company shares
- Dividends
- · Business capital

Quality Management



- The concept of quality management
- · Embedding quality management
- Systems that support quality management

Entrepreneurship in Business



- Scope for entrepreneurship in today's
- Developing Successful Business Ideas

Principles and Concepts of Marketing

Develop a Marketing Strategy

Analyse Competitive Advantage

- Strategy Planning
- · Planning Future Growth

Change Management



- Background of change management
- leeua
- Proposing change
- · Managing the change process

Leadership and Enterprise



- The relationship between management and leadership
- Effective leadership
- Theories of management and leadership in organisational contexts
- Management and leadership skills
- The Enterprise Culture and Characteristics

Principles of Marketing



Logistics and Transport



- Logistics and marketing interface
- Costs and performance within Logistics
- Concept of lead time
- Transport planning
- · The impact of traffic

Ports and Shipping

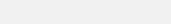


- Maritime Operations in a Business Context
- Planning Process for Maritime Operations
- Maritime Resource Management
- Maritime Law

Import and Export



- · Key Elements of Export Strategies
- Key Elements of Import Strategies
- Third Party Intermediaries







Manufacturing, Production and Operations Academy Support



SUPPORT



Unlimited Access to Industry Expert Tutors

IoSCM's Tutor Team are an amalgamation of some of the industry's finest talent. All experts within their field, the team provide preparation for your distance learning experience, assistance with your qualification and support you during each unit. Because we have tutors specialising in every sector of the industry, we have a strong perception of the requirements needed to succeed and progress within every field.



Accessible Online Delivery and Assessment

You'll gain access to a customised learning platform in which you can take mock tests, utilise a huge library of resources and interact with other students across the globe. As well as unlimited first class materials, there are self-assessments available online show the results immediately to give you direction on what you're doing well and what you might need to take another look at. You can take and retake the practise self-tests as many times as you like. By doing this, we're increasing your confidence in your ability to succeed and therefore, also ensuring you pass first time.



Flexibility and Study Methods

Because IoSCM qualifications can be studied entirely online, you can study in your own time and in the comfort of your own home. You can revisit materials and resources as often as required, simply log in to your personal learning platform. We do however, offer free monthly face to face or online workshops for you to attend if necessary. We understand that every individual is different, so we encourage you to learn at your own pace and in a way that suits you.



Pass First Time

Our support package is so important, not only because there isn't currently anyone who offers such a high level, but because we're dedicated to changing the industry statistics, IoSCM's current pass rate across our qualifications is 98%. With the unbeatable support we provide, you can spend less time and less money by increasing your chance of gaining your qualification first time. Our entire approach to learning is to guarantee your success.

INDUSTRY EXPERT TUTOR



MANUFACTURING AND PRODUCTION TUTOR PROFILE

Over 22 years of experience in the Manufacturing and Production industry

- Level 7 Qualified
- PRINCE 2 Qualified
- Level 4 Education and Training Certificate

"I am passionate about using my expertise to help IoSCM students succeed. I don't just assist with their qualification but use my experience and knowledge to help students implement their new found skills into the workplace and develop as a professional."





Manufacturing, Production and Operations Academy Guarantee



GUARANTEE

IoSCM are honoured to hold a reputation as an influential institution representing the supply chain. Renowned for the quality, expertise and talent behind our qualifications, we're determined to continue our success. Which is why we strive to preserve our impressive 98% pass rate with an unrivalled support package for every professional.

IoSCM are confident in the standard of our qualifications, the delivery of our curriculum and the support from tutors and mentors combined with your hard work; we know it will lead you to success, first time around. So much so, that we can guarantee that if you are unsuccessful in the passing of your course, we will offer you a second opportunity to achieve your qualification free of charge

There are some conditions to the IoSCM qualification guarantee:

- You must have submitted all assignments on time
- You must have monthly contact with your assigned student mentor to ensure we have given you our full support throughout your course
- You have two years from beginning your distance learning course in order to be eligible for this guarantee. If you have studied for longer than two years, you do not qualify for a free retake
- You must book your free course within 6 weeks of your first unsuccessful attempt
- Institution fees including membership renewal and any possible examination fees are not covered by this guarantee
- · Course materials will not be re-issued
- · IoSCM's interpretation of these conditions shall be binding
- We reserve the right to change or withdraw this offer at any given time

We strive to preserve our impressive

98% PASS RATE

with an unrivalled support package for every professional

UNBEATABLE GUARANTEE

With the achievement of each level, you will

EXPAND YOUR
EARNING POTENTIAL
AND EVOLVE YOUR
CAREER.

Speak to us today about our progression routes on 0800 1422 522

