



# MB-335T00: Microsoft Dynamics 365 Supply Chain Management, Expert

## **Course Duration: 40 Hours (5 Days)**

## **Course Overview**

The MB-335: Microsoft Dynamics 365 Supply Chain Management Functional Consultant Expert course is designed for professionals seeking to deepen their understanding and expertise in managing supply chain operations using Microsoft Dynamics 365. This course equips learners with the ability to configure products, understand production prerequisites, implement various production methods, manage production control, and explore additional supply chain features. Starting with Module 1, participants learn to implement product information, Product configurators, and Engineering change management for production environments. In Module 2, the course focuses on configuring resources, routes, calendars, Production settings, processes, and costing. Module 3 delves into discrete, process, and Lean manufacturing methods. Module 4 covers subcontracting, Manufacturing execution, Advanced master planning, Production scheduling, and Capacity planning. Lastly, Module 5 introduces Cloud and edge scale units, mixed reality integrations, and Asset Management within Dynamics 365 Supply Chain Management. By completing this course, learners will be well-equipped to optimize supply chain processes, enhance production efficiency, and leverage advanced technologies for enterprise management, thus becoming valuable assets to their organizations.

## **Audience profile**

The MB-335 course equips professionals to harness Dynamics 365 for efficient supply chain management.

- Functional Consultants specializing in supply chain management
- IT Professionals seeking to implement Dynamics 365 Supply Chain solutions
- Production Planners and Schedulers
- Operations Managers overseeing manufacturing processes
- Supply Chain Analysts aiming to optimize resource allocation
- Quality Assurance Specialists focusing on product lifecycle management
- Process Engineers interested in implementing lean and process manufacturing
- Product Managers involved in product configuration and change management
- Cost Accountants and Financial Analysts focused on manufacturing costing
- Dynamics 365 Developers looking to understand the supply chain module
- Business Analysts seeking to improve manufacturing execution systems
- Project Managers overseeing supply chain transformation projects
- Technical Support Staff for Dynamics 365 Supply Chain Management systems
- Supply Chain Consultants recommending and implementing ERP solutions
- CIOs and IT Managers planning to upgrade their supply chain systems

## **Course Syllabus**

### **Configure Products (15–20%)**

#### **Implement product information for production**

• Configure planning items, co-products, and by-products



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- Configure catch weight handling policies
- Configure inventory batches, batch attributes, and lot inheritance
- Manage product compliance including regulated and restricted items
- Create and implement configuration groups and routes for dimension-based products
- Manage products with dimension-based, constraint-based, and predefined variants
- Configure advanced export control functionality, excluding Power Fx formulas
- Manage hazardous materials

#### **Implement product configuration features**

- Create and manage product configuration model components and subcomponents
- Create calculations for product configuration models, including configuration using tables and/or expressions
- Configure BOM lines and route operations for a product configuration model
- Configure and manage pricing for configuration models
- Validate, approve, and test product configuration models

#### Implement engineering change management

- Design an engineering product lifecycle
- Configure engineering categories
- Configure product readiness policies and product release policies
- Create an engineering product with engineering attributes
- Review and accept released products to a local company
- Add engineering products to a sales order, purchase orders and production orders
- Schedule and implement engineering change requests and change orders

### **Configure Production Prerequisites (20–25%)**

#### **Configure resources, routes, and calendars**

- Implement and manage work calendars and working time
- Create and configure resource capabilities
- Implement and manage resources and resource groups
- Create and manage operations and routes, including routes to manage scrap

#### **Configure production settings and processes**

- Create production units, production groups, production pools, and production journal names
- Manage reservations in production process, including partial reservations and re-reservations
- Configure warehouse processes for raw materials picking and finished goods put away
- Design a unified (mixed mode) manufacturing process
- Configure production control parameters
- Configure and update inventory status
- Process inbound and outbound warehouse transactions by using the mobile app

#### **Implement costing**

- Configure costing sheets and indirect costs
- Configure and manage cost groups, costing versions, and cost categories
- Configure cost allocation for co-products and burden allocation for byproducts
- Configure and perform BOM/formula calculations





- Activate item prices
- Configure production posting profiles
- Analyze common sources of production variances
- View and analyze production and inventory costs

### **Implement Production Methods (15–20%)**

#### Implement discrete manufacturing

- Create and process production orders
- Create and process picking list journals
- Create and process job card and route card journals
- Create and process reports as finished journals
- Reset the status of a production order
- Configure and manage production-related reservations
- Configure bills of material (BOM) and BOM versions
- Manage production order statuses

#### **Implement process manufacturing**

- Configure batch reservations and release to warehouse process
- Configure consolidated batch order processes
- Manage batch balancing and batch order sequencing
- Configure formula features
- Create and process report as finished journals with co-products and byproducts
- Create and process batch orders and rework batch order
- Configure formulas and formula versions
- Manage batch order statuses

#### **Implement lean manufacturing**

- Create value streams and production flows
- Configure production flow costing
- Create kanban rules
- Process and manage kanban orders by using kanban boards
- Create and manage fixed, scheduled, and event kanbans

### **Configure Production Control (20–25%)**

#### **Implement subcontracting**

- Implement subcontracting processes
- Implement activity-based subcontracting
- Configure BOM and formula lines, resources, and routes for subcontracting items
- Create service items for subcontracting
- Create and process subcontracting purchase orders

#### **Implement manufacturing execution**

- Configure time and attendance prerequisites and activate workers for time registration
- Configure manufacturing execution features
- Process production and batch orders by using manufacturing execution processes



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- Configure production floor execution interface and job card terminals
- Calculate and approve time registrations

#### Implement advanced master planning scenarios

- Evaluate and process planned production and kanban orders
- Configure intercompany master planning
- Configure forecast models, plans, and parameters
- Run demand forecasting and adjust as appropriate
- Execute explosion and validate results
- Configure supply chain calendars
- Configure Demand Driven Material Requirements Planning (DDMRP)
- Configure the Planning Optimization Add-in for Microsoft Dynamics 365 Supply Chain Management
- Analyze Planning Optimization fit analysis results
- Create and manage forecasting

#### Implement production scheduling and capacity planning

- Configure scheduling parameters
- View, monitor, and update production schedules
- Configure capacity for production resources including machines, labor, and tooling
- Configure infinite and finite scheduling and capacity
- Set up and run operations and job scheduling

### **Implement Additional Supply Chain Management Features (10–15%)**

#### Integrate Copilot and mixed reality technologies with Supply Chain Management

- Integrate mixed reality Dynamics 365 Guides with manufacturing processes
- Integrate mixed reality Dynamics 365 Guides with asset management
- Configure Copilot features to confirm purchase orders with changes workspace

#### **Implement Rebate management**

- Configure Rebate management parameters
- Manage rebate reduction principles
- Process, review, and post rebates

#### **Implement Service management**

- Set up service agreements, tasks, objects, and subscriptions
- Create and manage service orders
- Set up repair management
- Manage customer inquiries and returns
- Manage indexes and subscription accrual