

Course duration

- 4 days

Course Benefits

- Configure the most important and commonly used features and functionalities within Dynamics 365
- Process most of the Dynamics 365 Manufacturing transactions
- Explain to others how Dynamics 365 Supply Chain Management, Manufacturing features

Microsoft Certified Partner

Webucator is a Microsoft Certified Partner for Learning Solutions (CPLS). This class uses official Microsoft courseware and will be delivered by a Microsoft Certified Trainer (MCT).

Course Outline

1. Configure Dynamics 365 Supply Chain Management, Manufacturing
 1. Configure and manage the production control module
 2. Configure and manage resources for production processes
 3. Configure discrete manufacturing
 4. Configure process manufacturing
 5. Configure lean manufacturing
2. Manage manufacturing processes
 1. Manage production orders
 2. Manage batch orders
 3. Manage kanban orders
 4. Lab: Case study 1A discrete manufacturing
 1. Exercise #1: Update the production control parameters
 2. Exercise #2: Create new production pools
 3. Exercise #3: Create and manage resources
 4. Exercise #4: Create an operation, assign relations and create a route
 5. Exercise #5: Create a simple BOM without a version
 6. Exercise #6: Create a BOM in the BOM designer (Bonus)
 7. Exercise #7: Create a BOM with a version
 8. Exercise #8: Create a production order
 9. Exercise #9: Start a discrete production order (Bonus)
 10. Exercise #10: Run a resource schedule

11. Exercise #12: Configure costing policies
12. Exercise #13: Configure manufacturing execution (Bonus)
13. Exercise #14: Configure automatic route consumption on setup jobs (Bonus)
14. Exercise #15: Use manufacturing execution (Bonus)
5. Lab: Case study 1B process manufacturing
 1. Exercise #1: Create an approved vendor list and setting method to Warning Only (Bonus)
 2. Exercise #2: Create items with different production types
 3. Exercise #3: Create and activate a formula using different product types
 4. Exercise #4: Create a new formula with a version from the released products form (Bonus)
 5. Exercise #5: Revise, update and activate a formula (Bonus)
 6. Exercise #6: Use the scalability feature to create a new formula
 7. Exercise #7: Create and activate a percentage-based formula (Bonus)
 8. Exercise #8: Change a linear consumption to a step-wise consumption
 9. Exercise #9: Set up commodity pricing (Bonus)
 10. Exercise #10: Change a price calculation and update trade agreements
 11. Exercise #11: Setting up a commodity price calculation
 12. Exercise #12: Creating PSDS lists, records and file uploads for product compliance
 13. Exercise #13: Add reporting details for an item
 14. Exercise #14: Create a sales order and printing a PSDS
 15. Exercise #15: Create and associate a batch attribute
 16. Exercise #16: Create a new batch number and manually record the batch attribute
 17. Exercise #17: Create quality orders and verify batch attributes
 18. Exercise #18: Complete a batch reservation using an attribute requirement
 19. Exercise #19: Set a partial visibility catch weight item
 20. Exercise #20: Use catch weight items in a purchase trade agreement
 21. Exercise #21: Create a batch attribute for a potency item
 22. Exercise #22: Modify and activate a copy of a potency item formula
 23. Exercise #23: Set up pricing based on an item's attribute (Bonus)
 24. Exercise #24: Record a potency attribute upon receipt (Bonus)
 25. Exercise #25: Reporting and balancing batch orders (Bonus)
6. Lab: Case study 1C Lean manufacturing
 1. Exercise #1: Create value streams
 2. Exercise #2 create a new production flow model
 3. Exercise #3: Create a process activity
 4. Exercise #4 Create a new transfer activity
 5. Exercise #5: Add a successor to the production flow activity and perform validation and activation
 6. Exercise #6: Create Kanban rules and schedule the Kanban job
 7. Exercise #7: Process scheduled Kanban for process and transfer jobs
 8. Exercise #8: Fulfill a sales order by planning a Kanban and produce an item (Bonus)

3. Implement master planning for production
 1. Configure and manage master planning
 2. Plan, schedule, and perform production capacity planning
 3. Lab: Case study 2 master planning
 1. Exercise #1: Firm a planned order and change the order type
 2. Exercise #2: Create an intercompany planning group and assign an item allocation key
 3. Exercise #3: Plan a production schedule from a master planning run (Bonus)
4. Implement other manufacturing features
 1. Configure manufacturing execution
 2. Configure costing policies
 3. Define product configuration models by using Product Configurator
5. Subcontracting for product manufacturing
 1. Configuring subcontracting
 2. Using subcontracting
 3. Lab: Case study 3 subcontracting
 1. Exercise #1: Set up subcontracting features

Class Materials

Each student will receive a comprehensive set of materials, including course notes and all the class examples.

Class Prerequisites

Experience in the following *is required* for this Dynamics 365 class:

- Proficiency in manufacturing in Dynamics 365