



COURSE RECOMMENDATION: MES FOCUS
2020

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MES Courses and Learning Path Recommendations

Below are the recommended eLearning courses available to users in MES focused positions within their company while working with DELMIAWORKS.

Smart Page

In this lesson, you will learn how to log into Smart Page, create a Dashboard, add shortcuts to a Dashboard, configure a BI Dashboard, configure a Chart, Run queries and KPI charts. You will also learn how to access Crystal Reports, RealTime Production Monitoring and access DELMIAWORKS modules.

Topics Included:

1. Create a Smart Page Dashboard
2. Add DELMIAWORKS Module Shortcuts
3. Configure BI Dashboard
4. Create a KPI Chart
5. Access Crystal Reports
6. View RealTime Process Monitoring
7. Access Pending Workflows
8. Access DELMIAWORKS Modules
9. Clone a Smart Page

System Parameters – List of Lists

In this lesson, you will learn about to access and utilize the various options available on the List of Lists. Topics included:

1. Access the List of Lists in System Parameters
2. Create Cost Elements
3. Create Divisions and Warehouses
4. Create Downtime Codes
5. Manage Employee Levels
6. Utilize the Employee List
7. Access & Utilize Inventory Classes
8. Access and Manage Inventory Locations
9. Access and Manage Inventory Transaction Codes
10. Access and Manage Inventory UOM's
11. Manage Labor Codes
12. Manage Manufacturing Cells
13. Manage Manufacturing Types
14. Utilize Non-Allocate Codes
15. Utilize Non-Conform Codes
16. Access and Manage PO Misc. Items
17. Create PO Types
18. Access and Manage Reject Codes
19. Maintain Commissions for Salespeople
20. Create a Ship Via
21. Access and Manage Tax Codes
22. Configure Terms

Shop Calendar – Configure

In this lesson, you will learn how to configure the Shop Calendar in DELMIAWORKS including how to schedule holidays, days off and shifts. Topics included:

1. Configure Shop Calendar Shifts
2. Configure Holidays
3. Configure Days Off

Standard Labor Capacity

In this lesson, this training session provides an overview of the standard labor capacity tool located within the shop calendar module. Topics included:

1. Access and Utilize the Standard Labor Capacity Tool
2. Navigate the Standard Labor Capacity Tool
3. Locate Standard Labor Hours in the Finite Scheduling Module

Inventory – Create a New Item

In this lesson, you will learn how to identify the 6 standard inventory classes, creating a new item, understanding required fields for inventory items, utilizing tabs available and cloning an inventory item
Topics included:

1. Identify the Six Standard Inventory Classes
2. Create a New Item
3. Understand Required Inventory Fields
4. Understand Inventory Quantities
5. Utilize Inventory Sub-Tabs
6. Utilize Main Inventory Tabs
7. Clone an Inventory Item

Work Centers - Create

In this lesson, you will learn how to access the work center module, how to create a work center, setting MRO Exclusions for a work center, utilizing the Reject & Downtime Code tabs and assigning Cost Elements to a work center. Topics included:

1. Create a Work Center
2. Set MRO Exclusions for a Work Center
3. Utilize the Reject & Downtime Code tabs
4. Assign Cost Elements to a Work Center

RealTime Setup and Monitoring

In this lesson you will learn how to import a RealTime license, assign a RealTime address to a work center, schedule a work order for a RealTime monitored work center, report production, backflush components and report rejects. Topics include:

1. Import a RealTime License
2. Assign a RealTime Address to a Work Center
3. Schedule Work Order on a RealTime Work Center
4. Basics of RealTime Monitoring Screen
5. Report Production in RealTime
6. Backflush Options for RealTime Production
7. Reject Parts and Components
8. Close Downtime Intervals in RealTime

RealTime Process Monitoring

In this lesson, you will learn how to perform RealTime Process Monitoring including RT Charts, Capabilities, Alarms, Historic Charts, SPC Charts, Machine Setup, Monitor, Material Setup and RT Charts Security. Topics included:

1. Overview
2. RT Charts
3. Capabilities
4. Alarms
5. Historic Charts
6. SPC Charts
7. Monitor
8. Material Setup
9. Machine Setup
10. RT Charts Security

Bills of Material - Configuration

In this lesson, you will learn how to access BOM's, set backflush parameters, identify different manufacturing types for Extrusion and how to create a Generic, Injection and Extrusion BOM's. Topics included:

1. Understand BOM Information
1. Set Backflush Parameters
2. Identify Extrusion MFG Types
3. Create a Generic BOM
4. Create an Injection BOM
5. Create an Extrusion BOM

Bills of Material – ASSY Configuration

In this lesson, you will learn the differences between the 3 types of ASSY manufacturing, how to create a new ASSY bill of material and the fields and tabs available, creating and adding processes to ASSY BOM's, creating an assembly line and how to access and utilize the Process Dependency Chart and Throughput Map. Topics included:

1. Identify Types of Assembly (ASSY) MFG
2. Create a new ASSY1 or 2 Bill of Material
3. Identify & Utilize ASSY1 & 2 BOM Fields
4. Create an ASSY1 Work Center
5. Create a new Process/Operation
6. Utilize Fields and Tabs for Processes
7. Create an ASSY3 Bill of Material
8. Create an Assembly Complex Line
9. Access and Edit the Process Dependencies Chart
10. Access and Launch the Throughput Map

Finite Scheduling

In this lesson, you will learn how to access the module, understand scheduled job details, schedule a work order, utilize Auto Load to schedule work orders, edit and move work orders. Topics included:

1. Access the Finite Scheduling Module
2. Understand Schedule Job Details
3. Schedule a Work Order & Add Downtime
4. Schedule Work Orders with Auto Load
5. Edit or Move Work Orders

Work Orders - Create

In this lesson, you will learn how to create a work order, how to firm work orders, the differences between the three types of work orders, hard allocating materials to a work order, creating a manual work order, printing a work order and utilizing the Sub MFG # option. Topics included:

1. Identify the Three Types of Work Orders
2. Access the Work Order Module
3. Understand the Work Order screen
4. Create a Manual Work Order
5. Firm a Work Order
6. Utilize the Sub MFG# Option
7. Hard Allocate Material to a Work Order
8. Print a Work Order

Production Reporting

In this lesson, you will learn how to perform production reporting by shift, work order and by utilizing the Production Reporting Assistant. This lesson will also include steps to manually and automatically disposition, backflush and reverse disposition items in inventory. Topics included:

1. Production Reporting Parameters by Shift
2. Production Reporting by Shift
3. Production Reporting Parameters by Work Order
4. Production Reporting by Work Order
5. Production Reporting Assistant

ShopData

In this lesson, you will learn about the available menu options, configuration and tasking in and out of work orders to report production and backflush materials. Topics included:

1. Understand ShopData Menu Options
2. Configure the ShopData Screen
3. RTScan to Inventory
4. Floor Disposition
5. Pallet Builder
6. Report Rejects
7. Downtime
8. Print RealTime, Sales Order or Inventory Labels
9. Quick Inspection
10. Serial Number Tracking
11. Inventory Transactions & Locations
12. MRO Work Orders
13. How to Task into a Work Order
14. Report Production, Reject Components & Parts
15. Task Out – Report Production

JobShop

This training session provides detailed instructions for the JobShop module including configuration requirements, creating projects, item production and archiving projects.

1. Configure JobShop
2. Understand the General Tab of the Project
3. Create a Project
4. Understand the Detail Tab of the Project
5. Archive a Project

IQAlert Groups

In this lesson, you will learn how to create groups in IQ Alerts. You will also learn how to assign alerts to a specific group. Topics included:

1. Create an IQ Alert Group
2. Link Actions and Groups

IQAlert Actions

In this lesson, you will learn how to create actions, add an action to the IQAlert screen and popular action functions including Email, Reports, Evaluate Workflow, MRO Work Orders, Update Schedule, Auto Load and utilizing the Replace Email Option. Topics included:

1. Create an Action
2. Add Action to the IQAlert screen
3. Email
4. Reports
5. Evaluate Workflow
6. MRO Work Orders
7. Update Schedule and Auto Load
8. Replace Email Option

Security Inspector – Create New Users

In this lesson, you will learn how to create a new user, how to configure a security profile for a new user and how to configure passwords. Topics included:

1. Create a New User
2. Utilize Profile Options for a User
3. Create a Security Profile
4. Utilize the Option “Force Password Change”
5. Utilize the Password Policy Tab

Security Inspector – System Deny Role

In this lesson, you will learn what a deny role does, how to access Security Inspector, how to create a system wide deny role, how to assign a deny role to a user and how to confirm the deny role is functional. Topics included:

1. Understand What a Deny Role Does
2. Access Security Inspector
3. Create a System Wide Deny Role
4. Assign a Deny Role to a User
5. Confirm a Deny Role is Functional

Label Hierarchy and Designer

In this lesson, you will learn how to create a label using the Label Designer within DELMIAWORKS and the hierarchy DELMIAWORKS uses to determine which label to print. Topics include:

1. Three Locations for Printing Hierarchy
2. Printing from Inventory
3. Printing from RealTime, Packing Slips or Sales/Distribution
4. Printing from IQRF and WMSIQ
5. Label Designer

Maintenance, Repair and Overhaul

In this lesson, you'll learn how to create equipment, gages and devices and tools. How to create tasks, skills, checklists and MRO templates. How to assign tasks and templates to equipment and how to create and close MRO work orders. Topics include:

1. Navigating to the MRO Module
2. Equipment and Classes

3. Create Equipment in MRO
4. Hierarchy of MRO Work
5. Create Skills
6. Create Checklists
7. Create Tasks
8. Create Templates
9. Assign Tasks to Equipment
10. Add a Template to Equipment
11. Total Unit Section
12. Creating Work Orders

CAR – Corrective Action Report

In this lesson, you will learn how to create, track and respond to a corrective action report. Topics included:

1. Access the Corrective Action Module
2. Generate a New CAR
3. Enter Header Information in a CAR
4. Specify Items to add to a CAR
5. Add an Image to a CAR
6. Attach Supporting Documents to a CAR
7. Activate a CAR
8. Create a Team
9. Respond to a CAR

Document Library 1 – Creating a Document Library

In this lesson, you will learn about the different document control libraries and how to create and configure the library. Topics included:

1. Document Control Overview
2. Library Types
3. Library Setup – Define Library
4. Library Setup – Workflow
5. Library Setup – File Type
6. Library Setup – Library Location
7. Team Members Only
8. Mandatory Setting

Document Library 2 – Adding Documents

In this lesson, you will learn the different ways to add a document into a library. Topics included:

1. Add a Document to Libraries
2. Document Check-in
3. Add Multiple Documents
4. Check-In Multiple Documents
5. Using Other Modules to Check-in Documents

Document Library 3 – Workflow

In this lesson, you will learn how to create a workflow template for the document authorization within Document Control. Topics included:

1. Access Workflow Templates
2. Workflow Template Overview
3. Workflow Template Fields
4. Workflow Elements
5. Setting a Workflow Template
6. Workflow Process Overview
7. Initiate Workflow
8. Document Sign-off and Review

Document Library 4 – Team Members

In this lesson, you will learn how to create team members, assign responsibilities, place team members out of office and assign team members for other DELMIAWORKS modules. Topics included:

1. Team Member Setup
2. All Used In setting
3. Out of Office Team Members
4. Calendar Setup
5. Replace Delete Workflow Responsibilities
6. Accessing Team Members from Other Modules
7. My Workflows Menu

Quality Basics

In this lesson you will learn how to create and delete Team Members, how to create a Workflow template, how to delegate and replace workflow responsibilities for Team Members, using Team Member and Workflow options and how to use a workflow template to push a purchase order through the approval process. Topics included:

1. Use Team Members in DELMIAWORKS
2. Create or Delete a Team Member
3. How to Set Team Member Options
4. Use Workflow Template
5. How to Set Workflow Template Options
6. Approve a PO with a Workflow Template

ECO – Engineering Change Order

In this lesson, you will learn how to create different ECO's, ECO Workflow Approval Templates and approving an ECO via Workflow. Topics included:

1. Understand Different ECO Types
2. Create an ECO Workflow Approval Template
3. Create an ECO-BOM
4. Approve and Apply and ECO BOM
5. Create and Approve an ECO-Equipment

6. Create and Approve and ECO – JobShop

MRB – Material Review Board

In this lesson, you will learn how to create an MRB via the two methods available, create an approval workflow template, associate an item, non-conform location, customer or vendor, create and close a Repair Work Order, create a MFG Rework Order and Bill of Material, approve the MRB via workflow and available Options and Filters. Topics included:

1. Create an MRB – Two Methods
2. Create an MRB Workflow Approval Template
3. Associate an Item and Non-Conform Location
4. Associate a Customer or Vendor
5. Create a Repair Work Order for Labor/Materials
6. Associate a Failure Code
7. Close the Repair Work Order
8. Create a MFG Rework Order and BOM
9. Associate a Non-Conform Location to the WO
10. Production Report against the Rework WO
11. Approve the MRB via Workflow
12. MRB Options and Filters

WMSIQ

In this lesson, you will learn how the basic functionality of WMSIQ, known as Warehouse Management System for DELMIAWORKS including an overview of the configuration of User Profiles and Menu Access, importing a scanner license file and available actions for the Search, Move, Receive, Ship, Disposition, Transactions, Physical Inventory, Print Labels and RealTime options from the home screen. Topics included:

1. Overview of WMSIQ, IQRF and Home Screens
2. Import a Scanner License File
3. Setup for WMSIQ Users – User Profiles
4. Search Menu Options in WMSIQ
5. Move Menu Options in WMSIQ
6. Receive Menu Options in WMSIQ
7. Ship Menu Options in WMSIQ
8. Disposition Menu Options in WMSIQ
9. Transactions Menu Options
10. Physical Inventory Menu Options in WMSIQ
11. Configure Print Labels Option
12. RealTime Menu Options

IQRF

In this lesson, you will learn how the basic functionality of the IQRF System for DELMIAWORKS including an overview of the configuration of User Profiles and Menu importing a scanner license file and available actions for the Search, Move, Receive, Ship, Disposition, Transactions, Physical Inventory, Print Labels and RealTime options from the home screen. Topics included:

1. Overview of IQRF, IQRF and Home Screens
2. Import a Scanner License File
3. Setup for IQRF Users – User Profiles
4. Search Menu Options in IQRF
5. Move Menu Options in IQRF
6. Receive Menu Options in IQRF
7. Ship Menu Options in IQRF
8. Disposition Menu Options in IQRF
9. Transactions Menu Options
10. Physical Inventory Menu Options in IQRF
11. Configure Print Labels Option
12. RealTime Menu Options

Material Exception List

In this lesson, you will learn the basic functionality for the Projected Exception, Requirements on Past Due PO's, Raw Material Below Minimum, Outsource Material Below Minimum and Ideal vs Existing tabs. Topics included:

1. Access the Material Exception List
2. Utilize the Projected Exception Tab
3. Utilize the Requirements on Past Due PO's Tab
4. Setup for Outsource Material Below Minimum
5. Utilize the Ideal vs. Existing Tab

MRP – Rough Cut Capacity and Daily Projected Requirements

In this lesson, you will learn about MRP (Material Resource Planning) driven options including Rough Cut Capacity and Daily Projected Requirements. Topics included:

1. Understand Daily Projected Requirements
2. Understand Rough Cut Capacity

Whiteboard Capacity and Labor Whiteboard Capacity Planning

In this lesson, you will learn about Whiteboard Capacity and Labor Whiteboard Capacity Planning tools available including setup , calculations utilized and screen descriptions for each. Topics included:

1. Set Capacity Whiteboard Thresholds
2. Set Standard Labor Capacity
3. Understand the Capacity Planning Screen
4. Understand the Labor Capacity Planning Screen

