

COURSE DESCRIPTION

The MES Quality course is a 2-day, instructor-led class designed to provide a working knowledge of the features and functionality of the MES Quality software module. This course provides lectures and hands-on labs to supply and reinforce the knowledge necessary to use the MES Quality software module to address the configuration and deployment of a data collection system, which allows for the analysis and reporting of quality management data using a sample recording object.

OBJECTIVES

Upon completion of this course, you will be able to:

- Implement the concepts of MES Software/Quality
- Describe the relationship of MES Software/Quality
- Use the MES Client application to define Quality Management Specifications
- Configure and Implement the Sample Recording Object
- Build the Sample Viewer Control
- Build a Control Chart Interface using ArchestrA graphics

AUDIENCE

- Application developers
- Engineers
- System Integrators

PREREQUISITES

- Manufacturing industry experience
- A working knowledge of AVEVA System Platform is recommended

COURSE OUTLINE - MES QUALITY

MODULE 1 - INTRODUCTION

- Section 1 - Course Introduction
- Section 2 - System Platform Overview
- Section 3 - MES Software/Quality Overview
- Section 4 - System Requirements and Licensing

MODULE 2 - MES CONFIGURATION

- Section 1 - MES Client
- Section 2 - System Platform Configuration
- Section 3 - Further Preparation for MES Software/Quality

MODULE 3 - MES SOFTWARE/QUALITY CONFIGURATION

- Section 1 - Sampling Configuration
- Section 2 - The Sample Viewer Control
- Section 3 - Verified Writes
- Section 4 - Automatic Data Collection
- Section 5 - Causes
- Section 6 - Shift Based Data Collection and Binary Attributes

MODULE 4 - FEATURES OF SAMPLE RECORDING OBJECT (SRO)

- Section 1 - On-Demand Sampling
- Section 2 - Implementing Sample Recording Object (SRO) Graphics

MODULE 5 - INTEGRATION WITH MES/SOFTWARE/OPERATIONS

- Section 1 - Basic Review of MES/Operations
- Section 2 - Generate Samples While Job Is Running

MODULE 6 - MES REPORTING FEATURES

- Section 1 - Control Charts
- Section 2 - ArcestrA Reports