



# Taking your skills **one step further**

Siemens Healthineers Local Area Training

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# Local Area Training

Local Area Training is a one day hands-on training workshop designed to enhance the skills of Dimension® Systems, Vista® Systems, ADVIA Centaur® XP System, Sysmex® CS Systems, Sysmex® CA-600 System and Centralink® Data Management System operators; conducted several times in major cities throughout the country.

The **Dimension Systems Routine Operations** workshop is designed to enhance the skills needed to operate and properly maintain Dimension clinical analyzers.

### Upon completion of this workshop the operator will be able to:

- Identify system components and software functions
- Perform Daily Maintenance
- Process Barcoded QC
- Process sufficient and insufficient barcoded samples
- Process samples in non-barcoded tubes and cups
- Review Test Report Messages
- Perform Group Calibrations
- Review calibrations and verification results
- Change Consumables
- Perform Weekly and Monthly Maintenance

The **Dimension Systems QC, Calibration & Test Report Messages** workshop is designed to teach you the skills needed to set up, process and troubleshoot calibrations and QC, in addition to advanced Test Report Message interpretation.

### Upon completion of this workshop the operator will be able to:

- Configure QC
- Configure Calibrations
- Group Calibrations
- Review Calibrations
- Troubleshoot Calibrations and QC
- Utilize Software to Manage Crossover QC
- Store Lab Data
- Perform Troubleshooting Scenarios
- Interpret Test Report Messages

The **Dimension Systems Advanced Technology & Maintenance** workshop requires knowledge and skills of basic operation. This workshop is for operators requiring additional knowledge in the technology, maintenance and advanced troubleshooting of the HM, LOCI and IMT modules.

### Upon completion of this workshop the operator will be able to:

- Explain the theory of HM, LOCI and IMT test processing
- Identify the consumables and hardware components used in processing HM, LOCI and IMT tests
- Perform the HM, LOCI and IMT maintenance procedures
- Troubleshoot error messages associated with the HM, LOCI and IMT modules

The **Dimension Systems Advanced Hardware Diagnostics & Troubleshooting** workshop requires knowledge and skills of basic operation. This workshop is for operators requiring additional knowledge in advanced modular electromechanical troubleshooting.

**Upon completion of this workshop the operator will be able to:**

- Configure Supplies and System Check auto setup
- Interpret System Check Processing
- Troubleshoot failed System Checks
- Identify components and describe operation of the Electrical cabinet, Photometer, Cuvette manufacturing and the Reagent Delivery System including RMS
- Utilize Instrument Diagnostic Software
- Troubleshoot the Electrical Cabinet, Photometer, Cuvette manufacturing and the Reagent Delivery System including RMS
- Rethread Cuvette Film

The **Dimension Systems Advanced Troubleshooting Scenarios** workshop requires knowledge and skills of basic operation and previous experience with advanced troubleshooting. This workshop will provide the operator with scenarios that require critical thinking, advanced maintenance and part replacement.

**Upon completion of this workshop the operator will be able to:**

- Identify and calibrate out of range temperatures during daily maintenance
- Identify possible causes of Cannot Find Home and Lost Steps errors
- Identify when to re-seat a control board in the card cage
- Identify and replace syringes on pump panel
- Identify and replace Clot Check hardware components
- Restore IMT system fluid flow and replace tubing
- Identify steps to adjust cuvette air pressure and flow
- Identify steps to troubleshoot the photometer and clean optical filters
- Identify steps to resolve RMS Shuttle alignment issues

The **Vista Systems Advanced Diagnostics & Troubleshooting** workshop requires basic operational knowledge. This workshop is for operators requiring additional knowledge in advanced maintenance and troubleshooting skills.

**Upon completion of this workshop the operator will be able to:**

- Identify external and internal components
- Navigate and describe Diagnostic software screens and their functions
- Describe the Probe Test and list the steps to resolve a probe test failure
- Describe V-LYTE® IMT System Principles and troubleshooting steps
- Describe proper sample handling procedures
- Identify and describe required maintenance of the Water Purification System/Millipore (WPM) and resolution of common issues
- Summarize the preparation for Off-Peak Activities
- Perform Periodic Maintenance
- Navigate process error screens and utilize appropriate diagnostic screens
- Locate potential jam areas

The **Vista Systems Advanced QC Troubleshooting** workshop requires basic operational knowledge of the Vista, as well as a minimal understanding of basic quality control (QC) practices. This workshop is for operators requiring additional knowledge in QC as it applies to the Vista Systems.

**Upon completion of this workshop the operator will be able to:**

- Describe common misconceptions regarding QC practice in clinical chemistry
- Determine if a QC result is out of range due to an instrument problem or the QC product
- Identify when to process urine electrolyte QC and to correctly perform an IMT Advanced Clean
- Configure QC products, QC ranges and calibration triggers in the Vista System Advanced software
- Describe QC matrix and identify actions used to confirm a QC shift due to matrix
- Schedule patient Lot to Lot Crossover testing
- Identify resources available for problem solving QC issues in the clinical chemistry laboratory

The **CentraLink Data Management System** workshop is designed to reinforce the basic skills necessary to navigate the application software, troubleshoot communication issues, and to configure Quality Control (QC).

**Upon completion of this workshop the operator will be able to:**

- Navigate the CentraLink Application software
- Review Daily Operations
- Stop and start translators using Watchdog
- Perform proper shutdown and startup of the server
- Monitor server and investigate common issues
- Define QC lot numbers and reference and target ranges
- Setup Westgard Rules
- Reset QC severities
- Generate QC reports, LJ graphs and export data
- Configure patient QC moving averages

The **CentraLink Data Management System Advanced Operator** workshop requires basic operational knowledge. This workshop is designed for operators requiring additional knowledge in configuration and troubleshooting skills.

**Upon completion of this workshop the operator will be able to:**

- Configure options and window preferences for Review and Edit
- Configure colors for the Samples browser
- Configure colors for Review and Edit
- Utilize the audit tab to review results
- Add canned comments
- Set up severities
- Reset QC severities
- Configure patient QC moving averages
- Create custom counters
- Add a new user
- Identify Right Click Menu Options
- Utilize watchdog communications
- Describe steps to resolve troubleshooting issues

The **ADVIA Centaur XP System Advanced** workshop requires basic operational knowledge. This workshop is for operators requiring additional knowledge in advanced maintenance and troubleshooting skills.

**Upon completion of this workshop the operator will be able to:**

- Identify major System Components and discuss Cuvette Journey
- Use the event log to investigate system issues
- Discuss the available Diagnostic Tools options
- Identify and address common errors related to maintenance procedures
- Identify troubleshooting tips for common hardware issues
- Identify issues related to Assay Troubleshooting

The **Sysmex CS Systems Advanced Operator** workshop requires basic operational knowledge. This workshop is for the primary operator that performs the PT and PTT Lot Rollover studies, as well as adds new QC lots for D-dimer, for either the Sysmex CS-2500 or the CS-5100.

**Upon completion of this workshop the operator will be able to:**

- Identify the answers of Why, When, and How to perform a lot roll over
- List the steps to prepare the analyzer for lot roll over
- List steps to establish new QC ranges
- Identify steps to verify the reference range for PT and PTT lots
- Identify steps to create the geometric mean for Inew PT reagent
- Identify steps to perform a method correlation
- List the steps to go live with new reagent and QC lots
- Identify steps to register QC lots for D-dimer

The **Sysmex CA-600 System Routine Operations** workshop is designed to enhance the skills needed to operate and properly maintain the Sysmex CA-600 Series analyzers. This course gives an in-depth training for routine operation, calibration, QC, and maintenance.

**Upon completion of this workshop the operator will be able to:**

- Locate and describe the system components
- Perform Routine Operation
- Enter Reagent Information
- List steps to perform an assay calibration
- Save and restore a calibration
- Perform an LED calibration
- List the steps to troubleshoot hardware errors

Please visit <https://www.lat.siemens-info.com/> for registration and additional details of the program coming to your area.

The Siemens Healthineers Training Department can be reached at:  
[csssharedmailbox.healthcare@siemens.com](mailto:csssharedmailbox.healthcare@siemens.com)

Classes begin promptly at 8:00 a.m. and end at 4:00 p.m.

One day Local Area Training courses yield 6.5 CE credits

Siemens Healthineers is approved by ASCLS as a provider of continuing education workshops.

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