Course Description

Course Duration
The duration is 9 days.

Course Goal
The goal of this course is to teach students the configuration and operating characteristics of the Conductor NT Human System Interface (HSI). Students will also learn about the basic requirements of the Windows NT/2000 operating system.

Student Profile
This training is targeted to students who are responsible for process control implementation, HSI graphic/display generation, creating and managing HSI tag and trend databases, and site-specific data logging. It is also targeted to anyone responsible for the networking of Conductor NT consoles, system tuning, and system/console maintenance.

Prerequisites and Recommendations
Students should have a basic knowledge of process control and operations concepts. Successful completion of either the M101 or M201 and M103 or M202 courses is required unless special permission is requested and granted by the instructor. Basic knowledge of the Windows NT or 2000 operating system is also recommended.

Description
In this course, students will be instructed to install and troubleshoot the Windows NT 4.0 Operating System and networking environment as it pertains to the Conductor NT application software. Students will install the Conductor NT console software and configure various console operating parameters. Students will configure a Conductor NT console database and develop basic graphic displays utilizing the SL-GMS GrafX utility. Students will be introduced to basic data acquisition using Microsoft Excel to generate spreadsheet logs.

Course Objectives
Upon completion of this course, students will be able to:

- Load a Windows O.S. (Windows NT 4.0 or Windows 2000)
- Comprehend the fundamentals of a TCP/IP networking environment
- Install and configure a printer, Microsoft Office and/or Excel
- Load Conductor NT software and enable licensing for Conductor NT
- Organize a Conductor NT Server/Client network architecture (optional)
- Configure and activate the conductor NT security
- Verify communications of console servers ICI with control network and trouble-shoot basic installation problems
- Identify major areas of the Conductor NT screen displays and understand the hierarchy of the Conductor NT menus
- Configure Conductor NT Tags and Historical Database
- Configure Summary and Group and Trend Displays
Course Objectives (continued)
- Create custom submodels and graphics using SL-GMS and GrafX tools
- Identify alarm management features
- Implement basic data acquisition with spreadsheet logs using MS Excel
- Backup and restore Conductor NT configuration

Main Topics
- Symphony® Strategic Enterprise or Inf90 Open® System Architecture
- Microsoft Windows Operating System Installation w/ TCP/IP Networking
- Conductor NT Software Installation
- Tag Database Configuration w/ Composer Software
- SL-GMS Graphics Development

Course Calendar - M203 Conductor NT

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
<th>Day 4</th>
<th>Day 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introductions</td>
<td>Review: Q/A’s</td>
<td>Review: Q/A’s</td>
<td>Review: Q/A’s</td>
<td>Review: Q/A’s</td>
</tr>
<tr>
<td>Symphony Overview</td>
<td>Conductor NT Installation</td>
<td>Conductor NT Security</td>
<td>Tag Database Configuration</td>
<td>Historical Database</td>
</tr>
<tr>
<td>Windows NT Overview and Installation</td>
<td>Connect to C-Net</td>
<td>Tag Database Configuration</td>
<td>Summary &amp; Group Displays</td>
<td>Trend Displays</td>
</tr>
<tr>
<td>Windows NT Networking</td>
<td>Conductor NT Overview</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Day 6</th>
<th>Day 7</th>
<th>Day 8</th>
<th>Day 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>SL-GMS Overview</td>
<td>SL-GMS Graphics</td>
<td>SL-GMS Graphics</td>
<td>Spreadsheet Logs</td>
</tr>
<tr>
<td>SL-GMS Graphics</td>
<td>Alarm Management</td>
<td></td>
<td>Backup/Restore</td>
</tr>
</tbody>
</table>

www.abb.com/abbuniversity