Course Duration
The duration is 4 days.

Course Goal
The goal of this course is to teach students a practical working knowledge and understanding of the ABB Inc. PGC5000 chromatographic analyzer system.

Student Profile
This training is targeted to instrument analyzer technicians, operators, or engineers responsible for the PGC5000 analyzer installation, operation, maintenance and repair.

Prerequisites and Recommendations
Students should have completed the ABB Inc. Process Gas Chromatography Technology, Vista 3100 or 2000 series, or have at least six months prior experience with process gas chromatographs

Description
In this course, students will learn about the Basic PGC5000 System. Topics to include:

- Master Controller Parts and Function
- Smart Oven boards and subassemblies
- Detectors and amplifiers
- Master Controller Operations
- Front Panel
- Controller Communication Connections Between Oven Controller Boards and Multiple Ovens
- Screen and Function Tabs
- Firmware Upgrade and Storage
- Data Collection and Connection to VistaNET System
- Isothermal Oven Overview
- Detectors
- Air Cleanup/Methanizer
- Sample Transport and Delivery
- Chromatographic Analysis
- Data Output and Reporting
- Hardware and Valve Adjustments
- Controller and Oven Purge Systems
- Basic Operator Skills
- Chromatogram Graphic Display, Overlay of chromatograms
- Analyzer Initial Setup
- Analysis, Method, Sequence with time coded functions
- Understanding The Application Data Sheets for Sensors, Valves, Sample Size, Gas Pressures and Flow Rates, Temperature Values and Measured Components
- Columns, Oven Layout, Solenoid Assignment and Function, Method and Control Tables, Flow Diagram
- How to Order Spare Parts
<table>
<thead>
<tr>
<th>Day 1</th>
<th>Day 2</th>
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| • Oven operation and component configuration | • Controller operation and configuration | • Controller operation and configuration  
|                                  |                                    | • Controller and oven communications | • Analyzer Operation |

Course Calendar