

Class Syllabus

PROFIBUS Overview

- Protocol Positioning
- Bus Access
- Multi-Master Systems
- Functionality & Protocol Structure of devices
- DP & PA Commonality and Features

PROFIBUS DP Network Setup & Debug

- Installation & Wiring – Copper
- Network Configuration
- Bus Timing
- Alternative Media

DPV0 Telegrams Overview

- Telegram Format
- Master & Slave Interactions
- Class 1 and Class 2 Masters

PROFIBUS Bus Monitor

- Monitoring, Tracing, Triggering & Filtering DPV0 Telegrams In-Depth
- Telegram Details
- PROFIBUS Startup Procedure
- Diagnostics

PROFIBUS System Troubleshooting

- Monitoring, Tracing, Triggering, Filtering In-Depth

DPV1 Telegrams Overview

- Telegram Formats
- Alarms
- Master & Slave Interactions

PROFIBUS PA

- PA Overview
- PA Wiring and Installation
- PA Network Design

PA Profiles

- Profile Mode
- PA Engineering Tools – PactWare, PDM
- PA Troubleshooting

Agenda

Day 1-2

All day: Technical learning & exercises (DP)

Day 3

Morning: PROFIBUS DP exam

Afternoon: Technical learning & exercises (PA)

Day 4

All day: Technical learning & exercises (PA)

Day 5

Morning: Technical learning & exercises (PA)

Afternoon: Written exam

These classes are intensive, hands-on, four day training programs conducted by the PROFIBUS Certified Network Engineer (CNE) at the PROFIBUS Certified Network Engineer (CNE) Center (PIC). Attendees passing the tests will receive an official PROFIBUS Certified Network Engineer Certificate, as well as a PROFIBUS Certified Installer Certificate and 24 PDH hours.



Find course dates
and register at
us.profinet.com