

EXPERION PKS: FUNDAMENTALS – UOC TROUBLESHOOTING AND MAINTENANCE

COURSE OVERVIEW

Course Number: EXP-05UOC

Course Duration: 5 Days

Prerequisite Course (s): None

This course provides participants with a full understanding of both the hardware and software facets of the Experion PKS Unit Operations Controller (UOC) interfaces. Hands-on lab exercises, utilizing a full-functioning process simulator, comprise 70% of the course. Participants will be required to install, configure, and commission I/O, and configure Regulatory Control and Digital Composite. Participants will learn safer and more effective troubleshooting procedures that not only consider the hardware (cards, cables, power supplies, etc.), but also the impact of the loop parameter settings, and automatic controls.

COURSE DELIVERY OPTIONS

- Instructor-Led Training (ILT)
- Virtual Instructor-Led Training (VILT)

COURSE OBJECTIVES

- Build a UOC controller and I/O modules
- Build and commission loops using a hardware simulator
- Typical loops include feedback, positioning, and digital control
- Troubleshooting with system displays to locate and rectify faults in UOC field connections, I/O, redundancy, power supply, and communications to server
- Use Experion PKS operating, configuration, and troubleshooting displays to identify (not rectify) network faults in FTE, Server, Station, and Security connections
- Review the troubleshooting, diagnostic, and correction process for faults using 1-5V, 4-20 mA, and HART (Not included: Fieldbus, Profibus and DeviceNet)
- Perform routine maintenance on the UOC
- Utilize Experion User Assistance to look for additional information to support these tasks