



Experion (PKS) Control Execution Environment C200, ACE (HONEYWELL COURSE NUMBER EXP20)

COURSE DESCRIPTION

Need to plan and implement your Experion PKS C200 Controller?

This course provides participants the ability to perform the following Experion PKS System tasks:

- Build control strategies in the Control Execution Environment that can be applied to the C200 and the ACE.
- Plan the C200 controller including the selection of appropriate I/O, redundancy and communications
- C 200 Control Module configuration. This includes configuring Data Acquisition, Regulatory Control and Logic
- C 200 Sequential Control Module configuration. This includes the use of steps, transitions, and handlers to implement process sequences
- Loading and start up including loading the controller
- Configure Procedural Operations using Sequential Control Modules

The course presents the basic concepts and strategies needed to develop guidelines for effective and consistent planning of the system. It includes extensive hands-on lab where participants will build and configure a C200 controller. Lab exercises will include troubleshooting typical errors in configuration.

COURSE OBJECTIVES

Efficient planning and implementation of your Experion PKS C 200 Controller

- Conceptual understanding of the C 200 controller to enable optimum utilization.
- Design and configure the C 200 controller for optimum control.

COURSE OUTLINE

You will learn how to....

- Recognize the role of the major hardware and software components and learn how data flows through the C 200 Controller
- Plan the C 200 Controller
- Select appropriate components of the C200 controller, including processors, I/O and communications
- Configure the C 200 Controller including:
 - Hardware
 - Control Modules, which incorporate Data Acquisition, Regulatory Control and Logic
 - Sequential Control Modules which are used to control Process Sequences, such as start up, shut down and Batch operations
 - Configuration of Procedural Operations - Interactive Instructions which allows a seamless combination of Operator guided manual intervention and automatic control

FOR WHOM

Experion PKS System Implementers

Experion PKS C 200 Engineering and configuration tasks can impact the following job roles. Other job roles performing these tasks could also participate.

- **System or Application engineer** responsible for configuring the C 200 controller, adding to or changing the C 200 controller configuration.
- **Maintenance Engineer or Technician** responsible for adding new control loops or troubleshooting existing loops.

PRE-REQUISITES

Prerequisite Course(s)

One of the following:

- Microsoft Windows 2000 Professional User Fundamentals - 72006 or
- Successful completion of Windows 2000 pre-test with a minimum score of 80% available at enrollment

If job responsibility includes the *implementation and configuration of the Experion PKS Server*:

- Experion PKS Process Server Engineering and Configuration - (EXP02 or EXP10002) or
- PlantScape Server and Station Implementation - R500 (0427)

If job responsibility includes *only C200 controller*

- Be able to navigate the Experion PKS Station

COURSE LEADER

The course leader is a Honeywell accredited trainer.

- Call up point detail, group, and/or custom displays

CERTIFICATE OF PARTICIPATION

Certificates of Participation will be awarded to participants who have achieved 75% attendance for the course.

Desirable Skills and/or Experience

- Plant, process, and controls knowledge
- Configuration of a DCS controller

COURSE INFORMATION

Course Code	:	CT4052
Day / Time	:	Monday to Friday (9.00 am to 5.00 pm)
Duration (hours)	:	5 days (40 hours)
Venue	:	Chemical Process Technology Centre 81 Jurong Island Highway Singapore 627837
Closing Date for Registration	:	5 days before commencement date

COURSE ADMINISTRATION

Registration

For registration, please complete and return the attached Registration Form together with the appropriate payment by cheque made payable to "Petrofac Training Pte Ltd".

Enquiries

Telephone: 6880 2000 Telefax: 6896 7151

Course Fee Subsidy/Payroll Subsidy

Not Available Yet