HONEYWELL ACADEMY
E-LEARNING SUBSCRIPTION PROGRAM: COURSES AND VIDEOS

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New courses are highlighted in Green

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ASYNCHRONOUS TRAINING (AT) COURSES

Asynchronous courses are self-directed, giving students an extended amount of time to complete the training at their own pace. The AT courses also include "live" interaction and Q&A sessions with an instructor. Each course has established set dates for students to complete their training. In addition, the questions can be addressed to the instructor via a designated mailbox or Microsoft Teams chat.

Course Code	Course title	Duration (Day)
EXPERION PKS	OVERVIEW	
EXP-6000-AT	Experion PKS: Fundamentals - System Overview	2
EXPERION PKS	OPERATORS	
EXP-01-AT	Experion PKS: Fundamentals - Controller Operation	3
EXP-01LNGC-AT	Experion PKS: Fundamentals - Station Operation (Only LNG Carrier)	3
EXP-01OR-AT	Experion PKS: Fundamentals - Controller Orion Operation	3
EXP-13-AT	Experion PKS: Fundamentals - Controller and TPS Operation	4
EXP-26-AT	Experion PKS: Fundamentals - SCADA Operation	2.5
EXPERION PKS	SYSTEM ENGINEERS, ADMINISTRATORS	
EXP-02-AT	Experion PKS: Fundamentals - Server Engineering and Configuration Implementation	4.5
EXP-03-AT	Experion PKS: Fundamentals - Graphics Design and Building Implementation	4
EXP-1002-AT	Experion PKS: Fundamentals – ESVT and ES-T Administration	4.5
EXP-1011-AT	Experion PKS: Advanced - Class Based Recipes Implementation	3
EXP-1015-AT	Experion PKS: Fundamentals - Basic Networking Concepts and FTE Implementation	3
EXP-1018-AT	Experion PKS: Fundamentals - Virtualization Premium Platform FX2 Overview	0.5
EXP-1018GEN3-AT	Experion PKS: Fundamentals – virtualization premium platform Gen3 overview	0.5
EXP-1023-AT	Experion PKS: Advanced - Experion LCN System Troubleshooting and Maintenance	1
EXP-1024-AT	Experion PKS: Fundamentals - TPS to Experion Migration and Troubleshooting	5
EXP-16-AT	Experion PKS: Fundamentals - Control Execution Environment CAB + ACE Implementation	3
EXP-2001C3-AT	Experion PKS: Fundamentals - C300 Controller Implementation	4.5
EXP-2001UOC-AT	Experion PKS: Fundamentals - UOC Controller Implementation	4.5
EXP-21-AT	Experion PKS: Fundamentals – Experion Batch Manager (EBM) - Instance Based Recipes Implementation	4.5
EXP-23-AT	Experion PKS: Advanced - Server and Station Installation and Administration	9.5
EXP-30-AT	Experion PKS: Advanced - Field Device Manager (FDM) Implementation and Troubleshooting	4
EXP-48-AT	Experion PKS: Fundamentals - Virtualization Implementation	4.5
EXP-48GEN3-AT	Experion PKS: Fundamentals – Gen3 Virtualization Implementation	4.5
EXPERION PKS	MAINTENANCE ENGINEERS	
EXP-05C3-AT	Experion PKS: Fundamentals - C300 Troubleshooting and Maintenance	5
EXP-05UOC-AT	Experion PKS: Fundamentals - UOC Troubleshooting and Maintenance	5
EXP-25-AT	Experion PKS: Advanced - System Level Troubleshooting and Maintenance	9.5
INDT-0008-AT	Industrial Topics: Fundamentals - Power and Grounding Overview	1.5

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Course Code	Course title	Duration (Day)
SAFETY SYSTEMS	**SYSTEMS ENGINEERS**	
SM-4551-AT	Safety Manager: Fundamentals - Implementation	4.5
CHANGE MANAGEMENT	**TRACE**	
TRC-0001-AT	Trace: Fundamentals – Usage and Overview	1
MODULAR SYSTEMS	**SYSTEMS ENGINEERS**	
CTE-0001-AT	ControlEdge: Fundamentals - PLC (with Experion Integration) Implementation	2
CTE-0002-AT	ControlEdge: Fundamentals - RTU (with Experion Integration) Implementation	2
HC-0002-AT	HC900: Fundamentals – Hybrid Controller and Control Station Implementation	4
ML-1001-AT	MasterLogic: Fundamentals - 200R Implementation	4.5
SHEET MANUFACTURING	**SYSTEM AND MAINTENANCE ENGINEERS**	
EMX-0011-AT	Experion MX: Fundamentals - Maintenance Overview	2
EMX-0027-AT	Experion MX: Fundamentals - Cross Direction Control Operation	0.5
MXP-0003-AT	MXProLine: Fundamentals - System Implementation	3
MXP-0004-AT	MXProLine: Fundamentals - Scanner and Sensor Maintenance	2
PMD-30-AT	PMD: Fundamentals - Maintenance	3
CYBER SECURITY	**SYSTEM ENGINEERS, ADMINISTRATORS**	
HCCA-OT1001-AT	Cybersecurity: Associate - OT - Cybersecurity Fundamental And Awareness	1
HCCG-OT1501-AT	Cybersecurity: General - OT-Industrial Cybersecurity Hygiene	0.5
HCCP-OT2001-AT	Cybersecurity-Professional-Industrial-Cybersecurity-Standards-And-Best-Practices	3

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MODULAR TRAINING (MT) COURSES

These are flexible on-demand, topic-based learning. The duration of each module varies based on the learning goals and topic complexity. Participants are given a specific extended amount of time to complete the modular course at their own pace.

Course Code	Course title	Duration (Min)
EXPERION PKS – SERVER		
EXP-7001-MT	Experion PKS System Overview	90
EXP-7004-MT	SCADA Controller Implementation	160
EXP-7005-MT	Experion PKS - TPS Integration Overview	60
EXP-7006-MT	Experion PKS Database Overview	40
EXP-7007-MT	Experion PKS Enterprise and Asset Model Introduction	100
EXP-7008-MT	Experion PKS Flex Station and Printers Configuration	60
EXP-7009-MT	Experion PKS Station Configuration	100
EXP-7010-MT	Experion PKS Assets and Operator Configuration	100
EXP-7011-MT	Experion PKS Console Configuration	30
EXP-7012-MT	Experion PKS Alarms and Events Notification	90
EXP-7013-MT	Experion PKS Alarm Shelving Configuration	60
EXP-7014-MT	Experion PKS Reports Overview and Configuration	50
EXP-7015-MT	Experion PKS History Configuration and Archiving	60
EXP-7016-MT	Experion PKS Events Archive Configuration	50
EXP-7017-MT	Experion PKS Groups and Trends Configuration	30
EXP-7018-MT	Experion PKS and Integration of Non-Experion Nodes	90
EXP-7019-MT	Experion PKS Alarm Groups Configuration	30
EXP-7020-MT	Experion PKS Dynamic Alarm Suppression	30
EXP-7021-MT	Experion PKS Alarm Tracker Configuration	30
EXP-7022-MT	Distributed System Architecture Overview	50
EXP-7023-MT	Experion PKS Data Extraction and Excel Exchange	30
EXP-7024-MT	Experion PKS Utilities and Basic Administration	60
EXP-7026-MT	Network Cabling and Connectors	220
EXP-7098-MT	Experion PKS R501 to R511 Server Enhancements	140
EXP-7104-M	Experion PKS R410 To R520 Server Enhancements	360
EXPERION PKS – NETWORKING		
EXP-7027-MT	Network Topologies and Protocols	260
EXP-7028-MT	Network Ethernet Concepts	170
EXP-7029-MT	Introduction To Process Control Network	170
EXP-7030-MT	FTE Concepts Overview	330
EXP-7031-MT	FTE Switches Configuration	190
EXP-7032-MT	FTE Software Installation and Administration	60
EXP-7033-MT	FTE Configuration	90
EXP-7034-MT	Troubleshooting FTE Networks	160
EXP-7041-MT	FTE Network Performance Overview	20
EXPERION PKS – CONTROLLERS		
EXP-7002-MT	Experion PKS C200/C200E Controller Overview	20
EXP-7003-MT	Experion PKS C300 Controller Overview	30

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Course Code	Course title	Duration (Min)
EXP-7035-MT	Experion PKS C300 Controller Hardware Details	60
EXP-7036-MT	Experion PKS Series C Hardware Configuration	40
EXP-7037-MT	Experion PKS C300 with PMIO Implementation	15
EXP-7038-MT	Experion PKS C300 Controller Checkpoint Configuration	20
EXP-7039-MT	Experion PKS C300 Controller Performance Monitoring	10
EXP-7040-MT	Experion PKS Series C Firmware Upgrade	10
EXP-7025-MT	Experion PKS UOC and vUOC Controller Overview	20
EXP-7042-MT	Experion PKS C300 Maintenance Recommendations Overview	40
EXP-7089-MT	Experion PKS Control Builder Introduction	80
EXP-7090-MT	Experion PKS Series C Hardware Configuration	80
EXP-7091-MT	Experion PKS Data Acquisition Control Module Implementation	80
EXP-7092-MT	Experion PKS Control Logic Development	140
EXP-7093-MT	Experion PKS Sequential Control Module Concepts and Use	80
EXP-7094-MT	Experion PKS SCM Programming Techniques Operation	80
EXP-7095-MT	Experion PKS Sequential Control Module	80
EXP-7096-MT	Experion PKS SCM Abnormal Handlers	80
EXP-7097-MT	Experion PKS Productivity tools in Control Builder	80
EXP-7099-MT	Experion PKS R501 to R511 CEE Enhancements	80
EXP-7105-MT	Experion PKS R410 To R520 CEE Enhancements	265
EXP-7103-MT	HIVE	115
EXP-7107-MT	Experion PKS Unified Engineering Tools	100
EXP-7108-MT	Experion PKS EHPM Configuration	30
EXP-7113-MT	Experion PKS ELCN Soft HPM	20
EXP-7118-MT	Experion PKS ELCN Overview	110
EXP-7119-MT	Experion PKS C300PM And EHPMX Controller Overview	30
EXP-7120-MT	Experion PKS C300 Controller and Series C IO Hardware Overview	220
EXP-7121-MT	Experion PKS C300 Installation and Troubleshooting	100
EXPERION PKS – HMIWEB		
EXP-7043-MT	Experion PKS HMIWeb Display Design Overview	50
EXP-7044-MT	Experion PKS HMIWeb Display Builder - Station Navigation	50
EXP-7045-MT	Experion PKS HMIWeb Display Builder Functions Overview	160
EXP-7046-MT	Experion PKS HMIWeb Display Static Elements Implementation	30
EXP-7047-MT	Experion PKS HMIWeb Display Builder Dynamics Overview	40
EXP-7048-MT	Experion PKS HMIWeb Display Shape Sequence Implementation	80
EXP-7049-MT	Experion PKS HMIWeb Display Dynamic Shapes Implementation	110
EXP-7050-MT	Experion PKS HMIWeb Display Cascade Style Sheet Implementation	60
EXP-7051-MT	Experion PKS Shortcut Menus Implementation	30
EXP-7052-MT	Experion PKS Display Templates in HMIWeb Display Builder	140
EXP-7053-MT	Experion PKS HMIWeb Display Trends Implementation	80
EXP-7054-MT	Experion PKS HMIWeb Display Builder Basic Scripting	140
EXP-7055-MT	Experion PKS HMIWeb Display Builder Advanced Scripting	50
EXP-7056-MT	Experion PKS HMIWeb Reporting and Search Functionality Overview	90
EXP-7057-MT	Experion PKS HMIWeb Display Management & Version Control Overview	50

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Course Code	Course title	Duration (Min)
EXP-7058-MT	Experion PKS SafeView Overview	90
EXP-7059-MT	Experion PKS HMIWeb Solution Pack Overview	90
EXP-7106-M	Experion PKS R410 To R520 HMI Enhancements	90
	EXPERION PKS – MIGRATIONS	
EXP-7060-MT	Experion PKS Migration Introduction	80
EXP-7061-MT	Experion PKS Migration Planning	140
EXP-7062-MT	Experion PKS Checking Migration Readiness	140
	EXPERION PKS – ADMINISTRATION	
EXP-7073-MT	Experion PKS Server Redundancy Implementation	140
EXP-7074-MT	Experion PKS Domain Controller Implementation	110
EXP-7075-MT	Experion PKS Server Installation and Configuration	140
EXP-7076-MT	Experion PKS Installation Builder	80
EXP-7077-MT	Experion PKS Console Station Installation and Configuration	80
EXP-7078-MT	Experion PKS Network Time Protocol (NTP) Implementation	40
EXP-7079-MT	Experion PKS Network Equipment Implementation	80
EXP-7080-MT	Experion PKS High Security Implementation	80
EXP-7081-MT	Experion PKS System Management (SES/SPS) Implementation	140
EXP-7082-MT	Experion PKS Diagnostic Studio Usage	40
EXP-7083-MT	Experion PKS HM History Import Implementation	80
EXP-7084-MT	Experion PKS Redirection Manager Implementation	80
EXP-7085-MT	Experion PKS File Replication Implementation	40
EXP-7086-MT	Experion PKS Services	40
EXP-7087-MT	Experion PKS TPN Backup and Restore Implementation	80
EXP-7088-MT	Experion PKS Experion Backup and Restore Implementation	80
	SAFETY MANAGER SC	
SMSC-7001-MT	Safety Manager SC Installation and Troubleshooting Videos	30
	TRACE	
TRC-7003-MT	Honeywell Trace Overview and Its Architecture	30
TRC-7004-MT	Exploring Honeywell Trace	120
TRC-7005-MT	Managing Functions of Honeywell Trace	125
	SHEET MANUFACTURING	
EMX-7001-MT	Experion MX System Introduction	80
EMX-7002-MT	Experion MX AquaTrol HP Overview	30
EMX-7003-MT	Experion MX AutoSlice CDW Overview	30
EMX-7004-MT	Experion MX Calcoil Overview	30
EMX-7005-MT	Experion MX Devronizer Overview	20
EMX-7006-MT	Experion MX ProFlow II Overview	30
EMX-7007-MT	Experion MX Machine Direction Control Overview	30
EMX-7008-MT	Experion MX Color Sensor Overview	40
EMX-7009-MT	Experion MX Common Sensor Calibration and Maintenance	90
EMX-7010-MT	Experion MX Scanner and Sensor Overview	80
EMX-7011-MT	Experion MX Q4000-80 Setup and Maintenance	80
EMX-7012-MT	Experion MX Model 4213-x2 Optical Caliper Sensor Calibration and Maintenance	30

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Course Code	Course title	Duration (Min)
EMX-7013-MT	Experion MX Model 4221-50 Formation Sensor Maintenance	20
EMX-7014-MT	Experion MX Model 4222-50 FotoSurf Sensor Maintenance	20
EMX-7015-MT	Experion MX Model 4224-50 Crepe Sensor Maintenance	20
EMX-7016-MT	Experion MX Model 4223-5x FotoFiber Sensor Maintenance	30
EMX-7017-MT	Experion MX Model 4219-5x Porosity Sensor Calibration and Maintenance	30
EMX-7018-MT	Experion MX Model Q4208-52 Gloss Sensor Calibration and Maintenance	30
EMX-7019-MT	Experion MX Model Q6088 Scanner Maintenance	30
EMX-7020-MT	Experion MX Fundamentals Of Color Control	20
EMX-7021-MT	Experion MX Model 6031 Scanner Maintenance	20
EMX-7022-MT	Experion MX Aqualizer MX Overview	15
EMX-7024-MT	Ash Sensor Calibration and Maintenance	30
EMX-7025-MT	IR Moisture Sensor Calibration and Maintenance	30
EMX-7026-MT	MXIR SSIR Coat Weight Sensor Calibration and Maintenance	30
EMX-7027-MT	Microwave Moisture Sensor Calibration and Maintenance	30
EMX-7028-MT	Q4209-52 Sheet Temperature Sensor Overview	5
MXP-7001-MT	Model Q6405 Sensor Maintenance	30
MXP-7002-MT	Model 6080 Scanner Maintenance	30
MXP-7003-MT	MXProLine MetalsMaster And Aluminum Process	20
QCS-7001-MT	QCS SE System Overview	15

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EXPERION STATION OPERATOR VIDEOS

These Videos provide quick help to operators on different functions as per their roles and responsibility. It will help to show how to use Station to monitor and control your Experion PKS system. These short Videos explain functions such as calling various displays, handling of alarms, events and messages, use of system peripherals

Sr No	Video Objective
1	Starting Station
2	Logging on to Station
3	About Station's Layout
4	Searching for system items
5	Using the Command zone
6	Using Online Data Search
7	Calling up a display
8	Zooming in and out
9	Exporting what is shown in a summary display
10	Using tabbed displays
11	Printing Station information
12	Using Faceplates
13	Viewing the Equipment Summary
14	Accessing Equipment Detail displays
15	Navigating between equipment detail displays
16	Switching between Equipment detail views
17	Viewing related Equipment
18	Controlling points
19	About Electronic Signatures
20	Calling up the Alarm Summary
21	Changing what is shown in the Alarm Summary and the System Status Display
22	Opening and using an alarm tracker
23	Viewing help for an alarm
24	Silencing and acknowledging alarms
25	Shelving an alarm or alert
26	Viewing suppressed alarms
27	Disabling alarms for an asset in a console
28	Adding comments to an alarm
29	Calling up the Event Summary
30	Changing what is shown in the Event Summary
31	Adding comments to an event
32	Using Event Archiving
33	Restoring archived events
34	Calling up the Message Summary
35	Changing what is shown in the Message Summary
36	Silencing, acknowledging, and confirming messages
37	Calling up the System Status display
38	About Point Detail displays
39	Sequential control module detail displays

Sr No	Video Objective
40	Using Group displays
41	Using trend displays
42	Calling up a Meter Detail display
43	Resetting statistics on the Meter Detail display
44	Requesting a meter configuration report
45	Requesting a manual collection of data from an EFM meter
46	Requesting a manual export of data from an EFM meter
47	Requesting a report
48	Viewing a report
49	Printing a report of what is shown in a summary display

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MICRO-LEARNING VIDEOS

The purpose of Micro-learning videos is to explain miscellaneous topics related to operations, implementation, and maintenance of the Experion PKS, TPS and Safety Systems. These are created by experienced Honeywell Academy instructors.

Sr No	Video Objective
1	Describe Configuration of Alarm Shelving, EPKS Server
2	Describe Operation of Alarm Shelving, EPKS Server
3	Describe System Alarm Priorities and Help, EPKS Server
4	For each configured Channel and Controller, check communications statistics for signs of degraded performance, EPKS Server
5	Upload update to a project, EPKS Server
6	TPS LCN diagnostics
7	TPS view active maintenance Journal
8	TPS view module revision
9	Load Native window
10	PID block creation
11	Setpoint ramping
12	FTE Status Display 02, EPKS Server
13	DCOM Settings - EPKS to communicate with OPC Client
14	Disable Computer Lock
15	Disable Task Manager
16	Distributed System Architecture
17	Dynamic Alarm Suppression
18	EPKS Modify
19	ERDB Sync
20	Event Archiving
21	Fetch the data from 3rd party OPC Client
22	OPC Integrator
23	OPC Advance Client
24	Password Change for Operator and Station Based Security
25	Secure-Station
26	Time Synchronization among network nodes
27	Unallocate IO channel from monitoring side and assign it in project side
28	Advanced Parameter Security
29	CPU Performance Parameters and Memory
30	Export to & Import from Excel into Quick Builder
31	Maintaining Server Hard Disk
32	Quick Builder Functionality
33	Restoring Controller From Check Point
34	Upload & Update_Function in Control Builder
35	Analogy to Explain EMDB Environment
36	Analogy to Explain Operator role in Plant Production
37	Analogy to Explain Server Client Relationship
38	Backup and Restore in Control Builder

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Sr No	Video Objective
39	Explanation of the Yellow Triangle in Control Builder
40	Explanation of Trip Value in Experion Station
41	PID create and restore checkpoint
42	PID Export Project
43	PID Import and Load Project
44	PID Loop creation simplified
45	PID Loop deletion
46	Users and Security
47	L1 Audit tool_04152020_rev0.mov
48	Check all port statistics for signs of communications errors
49	HPM to EHPM part 1-2 rev3
50	Alarm Tracker_R500.1
51	Control Builder Export_R500.1_April 12, 2020
52	Control Builder Import_R500.1_April 12, 2020
53	Quick Builder Export_R500.1
54	SCM color codes R500.1
55	SCM forcing R500.1
56	SCM Skipping Step output_R500.1
57	Online data search in Manual PV, EPKS Server
58	Operator Tag Indication_C300
59	Red Tag Indication
60	Auto Log-On