



*Training Course:
ASPEN APS/Unified Certification – Exam
Preparation*

13 - 17 July 2025

Cairo (Egypt)

Holiday Inn & Suites Cairo Maadi, an IHG Hotel

Training Course: ASPEN APS/Unified Certification □ Exam Preparation

Training Course code: EN235967 From: 13 - 17 July 2025 Venue: Cairo (Egypt) - Holiday Inn & Suites Cairo Maadi, an IHG Hotel Training Course Fees: 4200 □ Euro

Introduction

The ASPEN APS/Unified Certification - Exam Preparation program is a focused, hands-on training course developed by Global Horizon Training Center to help professionals master AspenTech's Advanced Planning & Scheduling APS and Aspen Unified platforms. Designed specifically to support certification exam readiness, this course combines in-depth technical instruction, real-world scenario modeling, and simulation-based learning.

Participants will gain the necessary knowledge to navigate the APS suite, understand integration with other AspenTech tools like Aspen PIMS-AO and Aspen DMC3, and apply planning and scheduling solutions to solve complex production and supply chain problems.

Objectives

By the end of this course, participants will be able to:

- Understand the core concepts and architecture of Aspen APS and Aspen Unified platforms.
- Build, configure, and manage models in Aspen Plant Scheduler and Aspen Unified Planning.
- Integrate APS with ERP and manufacturing execution systems MES.
- Perform demand, supply, and production planning using Aspen tools.
- Apply optimization and constraint logic to solve real scheduling problems.
- Prepare thoroughly for the official ASPEN certification exam with exam-aligned content and simulations.

Organizational Impact

Organizations that certify staff in ASPEN APS/Unified benefit from:

- Improved production planning and scheduling accuracy.
- Enhanced operational efficiency and throughput.
- Reduced downtime and inventory holding costs.
- Stronger alignment between supply chain and production.
- Increased ROI from AspenTech software investments.
- Better internal capability to support digital transformation.

Target Audience

This program is tailored for:

- Production Planners and Supply Chain Professionals
- Process Engineers and Industrial Engineers
- Operations Managers and Manufacturing Analysts
- Digital Transformation and Industry 4.0 Teams
- IT and MES/ERP System Integrators
- Professionals seeking ASPEN APS/Unified certification

Outlines

Day 1: Introduction to Aspen APS and Unified Platform

- Overview of AspenTech Solutions: APS vs Unified
- Architecture and Integration: APS, PIMS, MES, ERP
- Key Modules: Aspen Plant Scheduler, Aspen Unified Planning
- Installation and Environment Setup Overview
- Navigating the User Interface and Key Functionalities
- Case Study: Digital Planning in a Refinery Setup

Day 2: Demand Management and Supply Network Configuration

- Demand Planning Fundamentals
- Configuring Planning Models: Products, Resources, and Routes
- Calendars, Shifts, and Equipment Modeling
- Inventory Targets and Safety Stock
- Supply Chain Network Design in Aspen Unified
- Hands-on Lab: Building a Basic Supply Plan

Day 3: Advanced Production Scheduling

- Introduction to Aspen Plant Scheduler APS
- Model Building: Constraints, Changeovers, and Sequencing Rules
- Finite Scheduling and Gantt Chart Interpretations
- Backward vs Forward Scheduling
- Real-Time Rescheduling and What-If Analysis
- Exercise: Solving Scheduling Bottlenecks in Batch Processing

Day 4: Optimization, Integration, and Data Management

- Optimization Parameters and Constraint Handling
- Integration with Aspen PIMS-AO and Aspen DMC3
- Data Import/Export and ERP/MES Interfaces
- Exception Handling, Alerts, and Rule-Based Automation
- Real-Time Scenario Testing and Plan Reconciliation
- Lab: Integrated Planning and Scheduling Use Case

Day 5: Certification Exam Preparation and Final Assessment

- ASPEN Certification Exam Format and Topics
- Practice Exam 1: Timed Multiple-Choice Test with Review
- Practice Exam 2: Scenario-Based Simulation Exercise
- Review of Common Errors and Knowledge Gaps
- Final Capstone Project: Building a Unified Planning Model
- Certification Strategy, Tips, and Q&A Session

Registration form on the Training Course: ASPEN APS/Unified Certification □ Exam Preparation

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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