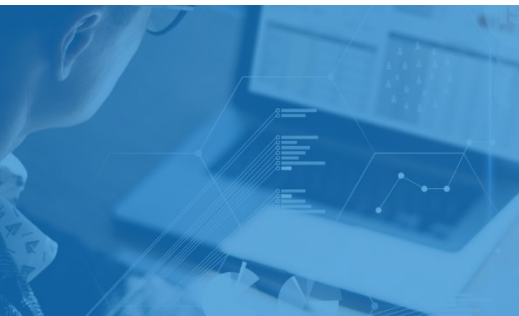


35%

Aspen Petroleum Scheduler™(APS)

Study Guide for Certification



Prove Your Credibility

An Aspen Petroleum Scheduler (APS) Certified demonstrates skills required to prepare, analyze, and execute refinery schedules under various scenarios. This person also demonstrates skills required to work collaboratively with planning team to make their schedule close to the planned refinery margin.

Practice

AspenTech training is highly recommended though not required.

This guide contains 100% coverage of all objectives for the certification exam. You can use it as both a study tool and an on-the job reference (read pages 2-3).

Get Certified

In-person and remote testing are available. Please make sure that you select the correct Location/Time Zone.

After passing the exam you will receive an email to post your certificate and digital badge on social media, which is a cross-industry recognition of technical skills you may share on LinkedIn, as well as in your email signature. [View the instructions](#) on how to post your credentials on LinkedIn profile.

Exam Scope for APS

- Introduction
- Settings
- Model Building
- Scheduling Events
- Advance Techniques

Grading

Grade	Weight
Multiple choice questions	40%
Lab task	60%
Total	100%

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SCOPE	TECHNICAL CONTENT	COMPETENCY OBJECTIVE
Introduction	What is APS	Identify the application of APS for addressing scheduling management issues
		Explain the objective and benefits of using APS
	System Overview	Explain the system architecture of APS and the primary parts
	Data Structure and Interface	Describe and recognize the User Interface of APS
Explain the APS data import and audit capabilities and procedure to import events into APS		
Settings	Model Settings and Management	Identify the default user and model configuration settings
		Set the maximum number of simulation periods for a model
		Configure model/user settings and review the resulting effect.
Model Building	Flowsheet Interface and Editor	Explain the different modes of simulation
	Excel Units Workbook	Identify the Units workbook, special worksheets and summarize the worksheet layout
	Orion Excel Emulator	Evaluate the performance time with and without OXE for Excel Units
Scheduling Events	Scheduling Workflow Process	Load and Audit the Beginning Inventory Data
	Events Interface	Identify the usage of Event Interface
		Understand the usage of Event screen & trend screen
	Events Application	Recognize different types of Events and their usage
		Identify the purpose of MAX VOL used for Events

		Execute scheduling for Crude and Process Units with given limitations, receipts and shipment plans.
		Recognize additional features related to Event Modifications
	Blend Scheduling	Understand the purpose of Optimization functionality
		Execute a schedule for Gasoline Blend events and Shipment events
	Case Management and Event States	Explain the APS Case Management capabilities
		Discuss the options for setting up Cases and States to evaluate and review Operating Parameters and prices
	Simulation and Publishing	Differentiate between the Crude simulator and process simulator
		List the different simulation and publishing options in APS
Advance Techniques	Modelling and Logic Techniques	Explain Modelling and logic techniques, property tracking, inventory representation and control
	Aspen PIMS-APS Integration	Identify and Explain the Integration between Aspen PIMS and APS

About Aspen Technology

Aspen Technology (AspenTech) is a leading software supplier for optimizing asset performance. Our products thrive in complex, industrial environments where it is critical to optimize the asset design, operation and maintenance lifecycle. AspenTech uniquely combines decades of process modeling expertise with machine learning. Our purpose-built software platform automates knowledge work and builds sustainable competitive advantage by delivering high returns over the entire asset lifecycle. As a result, companies in capital-intensive industries can maximize uptime and push the limits of performance, running their assets safer, greener, longer and faster. Visit [AspenTech.com](https://www.aspentech.com) to find out more.

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