



## **Aspen Utilities Planner™ (Sustainability Focus)**

**Study Guide for Plant Utilities Optimization Certification Exam**



### Prove Your Credibility

A Certified User has an in-depth understanding and practical skills required to build models and interpret results using Aspen Utilities Planner. Passing this exam will demonstrate your skills in setting up utilities systems to optimize costs and minimize the environmental impact of industrial processes, by reducing energy consumption.

### Practice

AspenTech training is highly recommended though not required. This guide contains 100% coverage of all objectives required for the certification exam.

**Step 1:** Take Class: [Optimize Plant Utilities to Reduce Energy Consumption](#) (SUS-U101; 2 Days)

AspenTech offers a variety of delivery methods in which you can take training.

- Register for either [public training](#) (face to face or virtual), request [private training](#) (face to face or virtual) or subscribe to [eLearning](#) (on-demand)

**Step 2:** Review Scope and Objectives

This guide contains 100% coverage of all objectives for the Plant Utilities Optimization certification exam. You can use as both a study tool and an on-the job reference.

**Step 3:** Take Plant Utilities Optimization Certification Exam

The total time for the certification exam is one hour.

### Get Certified

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

**[Go to AspenTech University to register for AspenTech Training & Certification](#)**

### Exam Scope for Plant Utilities Optimization Certification -

- Aspen Utilities Planner Fundamentals
- Optimization

### Grading

Grade	Weight
Multiple choice questions	80%
Lab task	20%
Total	100%

SCOPE	TECHNICAL CONTENT	COMPETENCY OBJECTIVE
Aspen Utilities Planner Fundamentals	Component Lists	<b>Add</b> components/physical properties to the flowsheet
	Utility Blocks	<b>Add</b> utility blocks to the flowsheet
	Streams	<b>Add</b> streams to the flowsheet
	Port Types	<b>Review</b> different port types in Aspen Utilities Planner
Optimization	Data Reconciliation	<b>Purpose</b> of data reconciliation
		<b>Methods</b> for data reconciliation
	Optimization	<b>Use Data Editors</b> to setup optimization problem
		<b>Define</b> demand constraints
		<b>Feed Availability</b>
		<b>Assign</b> prices for purchasing/selling utilities
		<b>Multi-Period Optimization</b>
	Key Results	<b>Block Results</b>
		<b>Stream Results</b>
		<b>Optimization Results</b>