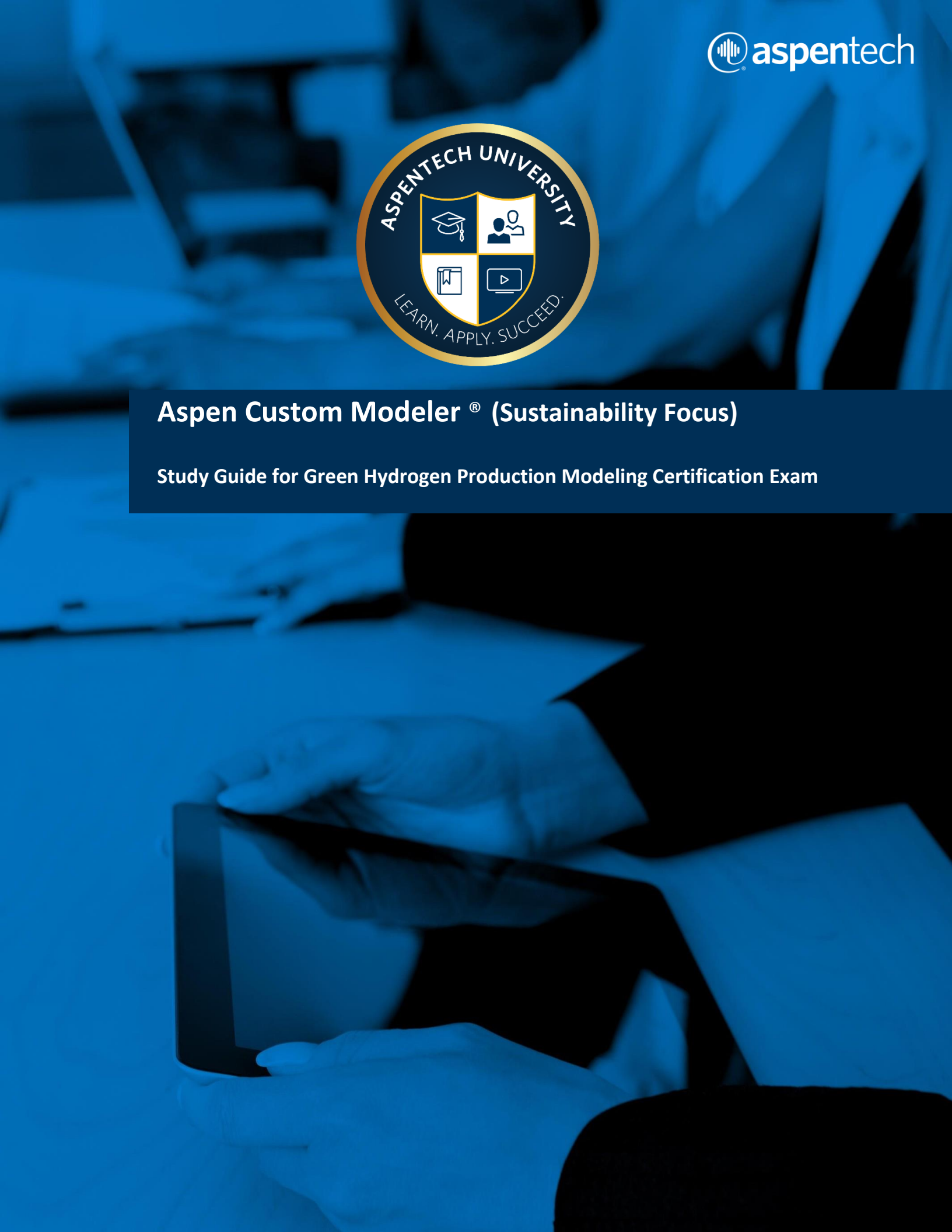

Aspen Custom Modeler ® (Sustainability Focus)

Study Guide for Green Hydrogen Production Modeling Certification Exam

aspentech | University

Learn. Apply. Succeed.

Exam Scope for Green Hydrogen Production Modeling Certification Exam-

- ☐ Aspen Custom Modeler Fundamentals
- ☐ Electrolysis Unit

Grading

Grade	Weight
Multiple choice questions	62%
Lab task	38%
Total	100%

Prove Your Credibility

A Certified User has an in-depth understanding and practical skills required to build models and interpret results using Aspen Custom Modeler. Passing this exam will demonstrate your skills in building and utilizing custom models to solve sustainability problems for processes or process units. This exam also demonstrates your understanding of advanced topics, such as modeling an electrolysis unit to produce hydrogen.

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: Model a Green Hydrogen Production Unit (SUS-P205; 1 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 Aspen Shell & Tube Exchanger certification exam. You can use as both a study tool and an on-the job reference.

Step 3: Take Green Hydrogen Production Modeling 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

SCOPE	TECHNICAL CONTENT	COMPETENCY OBJECTIVE
Aspen Custom Modeler Fundamentals	Physical Properties	**Add** Physical Properties to Aspen Custom Modeler
	Run Modes	**Designate** Run Mode
	Ports	**Recognize** the different port types in Aspen Custom Modeler
	Forms	**Add** different forms to a custom model
	Syntax	**Define** flowsheet constraints, scripts, and tasks with proper syntax
	Exporting Custom Model	**Save** a custom model to export to Aspen Plus/HYSYS
Electrolysis Unit	Results	**Identify** thermodynamic package selected
		Identify stream types in simulation
		Identify variable types in simulation
		Identify key results in unit operations and streams across Aspen Custom Modeler.