Aspen HYSYS Learning Path

Whether you are a Beginner, Expert or a Master we have got a learning path for you.

**Beginner Level**

- **Process Modeling using Aspen HYSYS**
  - Learn to Build, analyze, and optimize steady state simulation models

- **Become Aspen HYSYS Certified User**

**Expert Level**

- **Advanced Solutions**
  - Develop advanced skills for building complex models in Aspen HYSYS
- **Modeling Heavy Oil & Gas Production and Facilities**
  - Improved modeling tools to enable shared workflow

- **Become Aspen HYSYS Certified Expert User**

**Master Level**

- **Refinery Process Modeling**
  - Develop rapid flowsheets and use different HYSYS functions to build steady-state refinery process simulations
- **Build, Optimize and Control Dynamic Process Models**
  - Build dynamic models to solve process design, plant operation and control problems

- **Become Aspen HYSYS Certified Master User**

*Under Development

Aspen HYSYS skills acquired at each level

- **Beginner Level**
  - Build, navigate and optimize steady state simulation models with various unit operations using best practices
  - Determine the optimum operating points for a process and evaluate the performance
  - Troubleshoot common convergence problems
  - Debottleneck process equipment like heat exchangers, columns, pipes, and compressors.

- **Expert Level**
  - Create and optimize complex models associated to Upstream, Midstream, Refining and Safety applications.
  - Employ seamless, integrated tools for costing, energy management, safety analysis and equipment design.
  - Integrate pipeline models with processing facilities to conduct what-if analyses and optimizations.

- **Master Level**
  - Build dynamic models to solve process design, plant operation and control problems.
  - Characterize crude assays, track key petroleum properties, perform case studies, optimize, and troubleshoot refinery process units.

Democratize the application of AI to solve the process industry’s most difficult problems using Aspen Hybrid Models with Aspen HYSYS. To learn more on our breakthrough technology [click here](#).

Attend our **expert-led training on Aspen Hybrid Models** and get recognized with our **Aspen Hybrid Models Certification** exam

Learn | Apply | Succeed