



Process Simulation (HYSYS/Aspen)

Process & Chemical Engineering

QGT-PRC-107 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Process Simulation (HYSYS/Aspen) is an introduction that builds a solid working knowledge in Process Simulation (HYSYS/Aspen). It covers the principles, the requirements of API, AIChE/CCPS guidelines and licensor practice, and the practical methods used on site, with case studies from operations in the Gulf, Africa and worldwide. Available online, in the classroom in 60 cities, or in-house.

What participants will be able to do

- Explain the principles, terminology and scope of Process Simulation (HYSYS/Aspen)
- Apply the relevant requirements of API, AIChE/CCPS guidelines and licensor practice
- Use practical tools, checklists and calculations with confidence
- Recognise common problems, risks and root causes and choose the right corrective action
- Prepare an improvement plan for their own site or organisation

Who should attend

Designed for process engineers, chemical engineers, operators and laboratory staff, new joiners and anyone who needs a solid grounding in the subject.

Course outline (5 days)

Day 1: Principles and terminology

Scope, key definitions and how Process Simulation (HYSYS/Aspen) fits into daily operations

Day 2: Codes, standards and requirements

What API, AIChE/CCPS guidelines and licensor practice require, and how to read them

Day 3: Methods, tools and calculations

Step-by-step methods, checklists and worked examples

Day 4: Operation, inspection and common problems

Typical failures, warning signs and what to do about them

Day 5: Case studies, workshop and assessment

Group exercise on real cases and a final knowledge check

What the 10-day edition adds

Day 6: Applied project, part 1 – Apply the week-one methods to a case from your organisation

Day 7: Data and digital tools – Software, spreadsheets and digital tools used in practice

Day 8: Lessons from incidents and audits – What investigations and audit findings teach

Day 9: Applied project, part 2 – Complete, test and refine your solution

Day 10: Presentations and final assessment – Present to the group and complete the final assessment

Fees (USD per participant)

Duration	Live online	Classroom	In-house
5 days	\$3,000	\$5,500	On quote
10 days	\$5,500	\$9,900	On quote

Fees include course material and certificate of completion; classroom fees include refreshments and lunch. In-house training is priced per group.

Dates and cities 2027–2030

Dates	City	Format	Duration	Fee
11–15 Jan 2027	Luanda	Classroom	5 days	\$5,500
19–30 Apr 2027	Houston	Classroom	10 days	\$9,900
11–15 Jul 2027	Alexandria	Classroom	5 days	\$5,500
13–24 Sep 2027	Dubai	Classroom	10 days	\$9,900
27 Sep – 1 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
7–11 Feb 2028	Kigali	Classroom	5 days	\$5,500
24 Apr – 5 May 2028	Beirut	Classroom	10 days	\$9,900
10–14 Jul 2028	Milan	Classroom	5 days	\$5,500
18–29 Sep 2028	Johannesburg	Classroom	10 days	\$9,900
23–27 Oct 2028	Online (live)	Online (live)	5 days	\$3,000
26–30 Mar 2029	Athens	Classroom	5 days	\$5,500
2–13 Apr 2029	Cape Town	Classroom	10 days	\$9,900
17–21 Jun 2029	Al Khobar	Classroom	5 days	\$5,500
3–14 Sep 2029	London	Classroom	10 days	\$9,900
17–21 Sep 2029	Online (live)	Online (live)	5 days	\$3,000
14–18 Jan 2030	Beirut	Classroom	5 days	\$5,500
21 Jan – 1 Feb 2030	Dubai	Classroom	10 days	\$9,900
5–9 Aug 2030	Houston	Classroom	5 days	\$5,500
12–23 Aug 2030	Rome	Classroom	10 days	\$9,900
26–30 Aug 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/process-simulation-hsys-aspen/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

