



Process Simulation (HYSYS/Aspen): Advanced Level

Process & Chemical Engineering

QGT-PRC-129 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Process Simulation (HYSYS/Aspen): Advanced Level is an advanced programme for experienced practitioners 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
- Apply advanced analysis methods to real operating data
- 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 with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in API, AIChE/CCPS guidelines and licensor practice

Day 2: Advanced analysis methods

Detailed techniques, data interpretation and calculations

Day 3: Design and performance optimisation

Improving reliability, efficiency and cost

Day 4: Troubleshooting complex cases

Diagnosing multi-cause problems from field data

Day 5: Risk, decisions and integration

Building a risk-based plan and presenting recommendations

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
25 Jan – 5 Feb 2027	Dublin	Classroom	10 days	\$9,900
14–18 Mar 2027	Algiers	Classroom	5 days	\$5,500
12–23 Jul 2027	Frankfurt	Classroom	10 days	\$9,900
20–24 Sep 2027	Copenhagen	Classroom	5 days	\$5,500
18–29 Oct 2027	Online (live)	Online (live)	10 days	\$5,500
6–17 Feb 2028	Cairo	Classroom	10 days	\$9,900
6–10 Mar 2028	Toronto	Classroom	5 days	\$5,500
20–31 Mar 2028	Brussels	Classroom	10 days	\$9,900
7–11 Aug 2028	Barcelona	Classroom	5 days	\$5,500
2–13 Oct 2028	Online (live)	Online (live)	10 days	\$5,500
2–13 Apr 2029	Istanbul	Classroom	10 days	\$9,900
8–12 Apr 2029	Muscat	Classroom	5 days	\$5,500
2–13 Jul 2029	Abu Dhabi	Classroom	10 days	\$9,900
30 Jul – 3 Aug 2029	Amsterdam	Classroom	5 days	\$5,500
19–30 Nov 2029	Online (live)	Online (live)	10 days	\$5,500
18 Feb – 1 Mar 2030	Brussels	Classroom	10 days	\$9,900
3–7 Jun 2030	Bangkok	Classroom	5 days	\$5,500
1–12 Jul 2030	London	Classroom	10 days	\$9,900
7–11 Jul 2030	Salalah	Classroom	5 days	\$5,500
12–23 Aug 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

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

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