



# Laboratory Operations & Quality Control: Practical Workshop

## Process & Chemical Engineering

QGT-PRC-164 | Practical workshop | 5 or 10 days | Online, classroom, in-house

### Course overview

Laboratory Operations & Quality Control: Practical Workshop is a hands-on workshop built around exercises and real site problems in Laboratory Operations & Quality Control. 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 Laboratory Operations & Quality Control
- 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 who want practice rather than theory.

### Course outline (5 days)

#### Day 1: Workshop briefing and baseline

Participants bring a real problem from their own site

#### Day 2: Guided practice 1

Hands-on exercises using templates, checklists and calculators

#### Day 3: Guided practice 2

Simulations and role-play based on Laboratory Operations & Quality Control scenarios

#### Day 4: Field cases from the Gulf and Africa

Analysing what went wrong and what worked

#### Day 5: Action plan and peer review

Each participant leaves with a reviewed improvement plan

### 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     |
|---------------------|---------------|---------------|----------|---------|
| 28 Jun – 2 Jul 2027 | Barcelona     | Classroom     | 5 days   | \$5,500 |
| 19–30 Jul 2027      | Lagos         | Classroom     | 10 days  | \$9,900 |
| 13–17 Sep 2027      | Manchester    | Classroom     | 5 days   | \$5,500 |
| 24 Oct – 4 Nov 2027 | Salalah       | Classroom     | 10 days  | \$9,900 |
| 22–26 Nov 2027      | Online (live) | Online (live) | 5 days   | \$3,000 |
| 14–18 Feb 2028      | Vienna        | Classroom     | 5 days   | \$5,500 |
| 23 Apr – 4 May 2028 | Dammam        | Classroom     | 10 days  | \$9,900 |
| 18–22 Sep 2028      | Milan         | Classroom     | 5 days   | \$5,500 |
| 25 Sep – 6 Oct 2028 | Barcelona     | Classroom     | 10 days  | \$9,900 |
| 13–17 Nov 2028      | Online (live) | Online (live) | 5 days   | \$3,000 |
| 15–19 Jan 2029      | Vienna        | Classroom     | 5 days   | \$5,500 |
| 19–30 Mar 2029      | Brussels      | Classroom     | 10 days  | \$9,900 |
| 16–20 Apr 2029      | London        | Classroom     | 5 days   | \$5,500 |
| 16–27 Jul 2029      | Paris         | Classroom     | 10 days  | \$9,900 |
| 27–31 Aug 2029      | Online (live) | Online (live) | 5 days   | \$3,000 |
| 24–28 Feb 2030      | Dammam        | Classroom     | 5 days   | \$5,500 |
| 14–25 Apr 2030      | Cairo         | Classroom     | 10 days  | \$9,900 |
| 10–14 Jun 2030      | Stockholm     | Classroom     | 5 days   | \$5,500 |
| 29 Jul – 9 Aug 2030 | Budapest      | Classroom     | 10 days  | \$9,900 |
| 4–8 Nov 2030        | Online (live) | Online (live) | 5 days   | \$3,000 |

## How to register

### Register online or scan the code

<https://qimmatrainig.com/courses/laboratory-operations-and-quality-control-practical-workshop>

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