



TRAINING THAT DEVELOPS
REAL CAPABILITY



**Process Validation & Equipment
Validation**

LS034

Process Validation & Equipment Validation

Our fully interactive Process and Equipment Validation course provides attendees with the knowledge and skills they need to comply European, US and Worldwide validation requirements. The course is fully tutor-led and focuses on the practical implementation of validation requirements, providing attendees with a well-thought-out approach and real-world implementation methodologies to help achieve compliance and assure product quality and consistency. The course involves practical group exercises which take the learner through the entire validation cycle with comprehensive feedback from the course tutor throughout.

For abbreviations used in this document, see end of document.

Duration & Price

Duration: 3 days

Public Virtual Training: €995

Delivery mode: This programme is available In-Company, and via Public Virtual Training

Dates & Locations

Date	Venue	Book Date
14 - 16 Oct 2025	Virtual	

In-Company Training

Please [contact us](#) for more information on our In-Company training options

What's covered?

DAY 1

- Benefits of Process Validation
- European and FDA Regulation and Guidance on process validation
- Validation Regulations interactive quiz **New**
- Validation Planning - designing master validation plans
- Writing Validation Rationales **New**
- Case Study - determining what needs to be included in the MVP for a specific manufacturing process **New Content**
- Validation versus Verification – implementing the GHTF approach
- Exercise on Validation versus Verification
- Requirements Specifications - Case Study writing a URS

DAY 2

- Application of Risk Analysis to Validation **New Updated Content**
- Equipment Design Qualification – comparing Specifications to Requirements
- Requirements Tracing – using the RTM to plan qualification testing
- Equipment Qualification
- Incorporating Software Validation into Equipment Validation **New**
- Process Optimization, Process Capability and Process Control **Updated Content**
- Case Study writing an equipment IQ Protocol
- Case Study writing an equipment OQ Protocol
- Application of Statistics to Validation **New Updated Content**
- Statistical Rationale for Samples Sizes **New Updated Content**

Day 3

- Process Performance Qualification
- Case Study writing a PPQ Protocol **New Updated Content**
- Product versus Process Validation
- Test Method Validation for physical test methods **New Updated Content**
- Gauge R&R and the alternatives to Gauge R&R
- Validation Reporting – How to present data and draw conclusions **New**
- Continued Process Verification
- Maintaining the Validated State **New Updated Content**
- End of Course Assessment. **New**

Who should participate?

- Personnel in the Medical Device, Pharmaceutical and API sectors who are engaged in validation activities.
- QA and Regulatory staff involved in auditing validation protocols and reports.
- Senior Management who need to allocate validation resources or review and approve validation programmes.
- Members of Engineers Ireland who attend this course may claim for CPD hours from Engineers Ireland.

What will I learn?

Upon completion of this course, participants will be able to;

- Identify the regulatory requirements for process validation,
- State the benefits of conducting validation studies,
- Demonstrate an understanding of the key elements of process validation,
- Appreciate European and FDA Guidance publications on process validation,
- Determine where to use process capability and other statistical methods during validation studies,
- Demonstrate an understanding of the approach adopted by the GHTF regarding verification and validation,
- Design a validation master plan,
- Write requirements for process equipment,
- Assess process and equipment risks,
- Conduct equipment design reviews,
- Write IQ test cases,
- Write OQ test cases,
- Write PPQ test cases,
- Report on Validation testing results,
- Assist in ensuring that the validated state is maintained.

Abbreviations used in this document:

CPD: Continuous Professional Development

GHTF: Global Harmonisation Task Force

IQ: Installation Qualification

MVP: Master Validation Plan

OQ: Operational Qualification

PPQ: Process Performance Qualification

R&R: Repeatability and Reproducibility

URS: User Requirements Specification

How do we train and support you?

In-House Courses

For In-House courses, the Tutor will contact the Course Organiser in advance to discuss the programme in more detail in order to tailor it specifically to the organisation.

Where appropriate, course exercises can be carried out using procedures, data etc from your organisation.

Course Manual

Delegates will receive a very comprehensive course manual.

Tutors



Gerry Burke
[View Profile](#)



John Lafferty
[View Profile](#)



Kevina O'Donoghue
[View Profile](#)

What Our Learners Say

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