

# Applied Gas Chromatography Course

## Venue Information

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**Venue:** London UK

**Place:**

**Start Date:** 2025-07-14

**End Date:** 2025-07-18

## Course Details

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**Net Fee:** £4750.00

**Duration:** 1 Week

**Category ID:** OAGTC

**Course Code:** OAGTC-21

## Syllabus

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### Course Syllabus

#### Objectives:

- Understanding Resolution (Separation) in GC
- Fast GC – How to reduce you analysis time by 50% to 90%
- Method Development – How to develop a method from scratch
- GC/MS
- Headspace GC
- Troubleshooting from the chromatogram – separation conditions
- Troubleshooting GC Hardware

#### After the training the Participants will be able to :

- Master the fundamentals of GC
- Apply those fundamentals to develop, improve and troubleshoot GC analyses

- Introduction to GC
- Inlet Systems
- Resolution
- GC Theory
- Capillary Columns
- Detectors
- GC/MS
- Electronic Pressure Control
- Quantitative Analysis
- Method Development / Temperature Programming
- Headspace GC
- Troubleshooting from Real Chromatograms
- Troubleshooting Exercise