

Applied Gas Chromatography Course

Venue Information

Venue: London UK

Place:

Start Date: 2025-12-15

End Date: 2025-12-19

Course Details

Net Fee: £4750.00

Duration: 1 Week

Category ID: OAGTC

Course Code: OAGTC-21

Syllabus

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