

Chemical Ionisation for GC Training Course

>1-day Chemical Ionisation in GC Training Course

This is a 1-day special topic course on chemical ionization used in GC analysis. Chemical ionization is a low energy, soft ionization technique yielding less fragmentation and a simpler spectrum than with electron impact.

>Why do I need to know about chemical ionisation in GC?

Chemical ionization is ideal for identifying molecular ions, and hence has application where molecular weight determination is of key importance in elucidating chemical structure, especially with MS and also with ECD detection in very sensitive applications.

>Who is the 1-day Chemical Ionisation in GC Training Course for?

The Chemical Ionisation in GC-MS training course is for GC-MS analysts looking for or using softer ionisation techniques where a molecular ion is of importance. Some chemical ionizations are highly selective for particular analytes, such as those with acidic groups or electronegative elements, including halogens, and therefore typical application is found in environmental analysis: PCB compounds, pesticides and fire retardants.

>Who attends?

Academic based lab technicians, commercial lab analysts & R&D staff, post-doc, PhD and MSc Students, lab managers/supervisors, sales and marketing personnel and service engineers from across Europe, Middle East, Asia and Africa.

>What's different about training with us?

Because we teach the practical application of techniques, our courses are well positioned to enable analysts to use different analytical instrument models. Since most laboratories have instruments from different manufacturers, this is a key benefit in attending our courses. Just like driving a car, analysts are able to quickly able to navigate their own way around their own samples and instruments through application of techniques.

>Overview of course:

- Application of chemical ionisation
- Molecular weight and structure elucidation
- Reagent gases & ionization potentials
- Gas phase adduct formation (plasma source)
- Positive ion chemical ionisation (hydride affinity)
- Negative ion chemical ionisation (electron affinity)
- Pulsed positive ion and negative ion chemical ionization
- Instrumental requirements for CI-MS
- Pressures inside the source & CI
- CI spectra & functional groups
- Practical examples positive and negative CI-MS

>Key details:

- Classroom based course
- Budget airline destinations
- Comfortable training facilities
- Certificate of attendance provided
- Training manual provided (English)
- Discounted hotel accommodation available
- Easy accessible venue with local transportation
- Courses presented in English by industry-served and PhD qualified experts

>Enquiries or to **book a course** please contact Caroline Green at cgreen@amoebasciences.eu

>Visit our website: www.chromatographytraining.org for a list of frequently asked questions, how to prepare to put forward a case for training, how best to prepare to attend a course, and what you can expect to gain from a course at your level.

>Price Includes: Training presentation, training manual, lunches, free resources and all refreshments and snacks.

>Course Fees / Advanced Booking Rates

Prices are exclusive of any applicable VAT and local taxes	If booked up to 20 weeks in advance	If booked up to 12 weeks in advance	If booked up to 8 weeks in advance	If booked up to 4 weeks in advance	If booked less than 4 weeks in advance
1–Day Chemical Ionisation Training Course	£279	£297	£314	£332	£349

>Multiple Delegate Bookings: 5% discount applicable per each additional analyst from the same institution (includes separate departments), if booked at the same time, per course. Terms and conditions apply to all our courses (see www.chromatographytraining.org).