

# Course Progression

Absolute Basics of  
GC & GC-MS

Absolute Basics of  
Deconvolution

Absolute Basics of  
Chemometrics,  
Metabolomics

**BEGINNER**

Comprehensive GC  
*Agilent, Shimadzu,  
Thermo, Scion/Bruker/Varian  
& SRI*

Complete GC & GC-MS

Hands-on Complete  
GC & GC-MS

Comprehensive GC-MS  
*Agilent, Shimadzu, Thermo, Leco,  
Scion/Bruker/Varian, Markes,  
PerkinElmer*

**INTERMEDIATE**

Hands-on Sample Preparation  
*HS, SPE, SPME, TD, Py, P&T,  
Derivatisation*

Hands-on Advanced  
Injection Techniques  
*LVI & PTV/MMI*

Hands-on GCxGC  
*Flow & Thermal Modulation*

Hands-on Heart-cutting,  
Hands-on Splitters  
& Backflushing

Comprehensive Advanced  
GC & GC-MS  
*Agilent*

**ADVANCED**

Advanced Method Validation

Applied Interpretation of  
GC-MS Mass Spectra

Comprehensive Deconvolution  
*AMDIS, DRS, TargetView™*

Comprehensive GCxGC  
Software  
*GC Image, ChromaTOF®, ChromSpace®*

Comprehensive Data Analysis  
*Chemometrics, Metabolomics*