

# Course Progression

Liquid Chromatography (LC) & Mass Spectrometry (MS)

Absolute Basics of HPLC & LC-MS<sup>^</sup>

Absolute Basics of  
Ion Chromatography<sup>^</sup>

Absolute Basics of  
Size Exclusion Chromatography<sup>^</sup>

Complete HPLC & LC-MS<sup>^</sup>

Hands-on HPLC & LC-MS

Hands-on Ion Chromatography

Hands-on Size Exclusion  
Chromatography

Comprehensive HPLC

*Agilent, PerkinElmer, Scion, Shimadzu,  
Thermo & Waters*

Comprehensive LC-MS

*Agilent, Bruker, PerkinElmer, Sciex, Shimadzu,  
Thermo, & Waters*

Comprehensive IC (Agilent)

Comprehensive SEC (Agilent)

Applied UHPLC<sup>^</sup>

Applied Interpretation of  
LC-MS Mass Spectra<sup>^</sup>

Advanced Comprehensive  
LC-MS (Agilent)  
*QQQMS, Q-TOF & TOF*

Advanced Comprehensive  
LC-LITMS (Thermo)

Advanced Comprehensive HPLC  
Hardware (Agilent)

Hands-on/PE\* LCxLC

Absolute Basics of SFC & SFC-MS<sup>^</sup>

Absolute Basics of Chemometrics<sup>^</sup>

Absolute Basics of Metabolomics<sup>^</sup>

Applied Chemometrics<sup>^</sup>

Applied Metabolomics<sup>^</sup>

Applied Method Validation<sup>^</sup>

Applied OOS<sup>^</sup>

Comprehensive Data Analysis for  
Chemometrics  
*Agilent MPP*

Comprehensive Data Analysis  
for Metabolomics  
*Agilent MPP*

**BEGINNER**

**INTERMEDIATE**

**ADVANCED**

**ADDITIONAL**