

Syllabus for Success Plus and Master on SCIEX TripleTOF systems

SCIEX training courses follow the proven spaced learning approach to maximize learning retention. The training process includes a blend of instructor-led training, hands-on laboratory exercises and self-paced eLearning provided at the customer site.

possible to cover different topics if required. To fully cover all topics needed for your workflow, you may need to purchase additional training days. Consult with your sales representative and Applications Manager to assess your training needs.

Course goals and outcome

This course is personalized for your workflow on the SCIEX TripleTOF systems and includes the following workflows:

- Metabolite/impurity ID
- Proteomics
- Metabolomics
- Pharma and biopharma

The Success Plus program includes 2.5 onsite training days and is intended for a learner with minimal experience. It is designed to provide the learner with the knowledge necessary to set up the instrument, create basic and advanced LC-MS/MS methods, acquire data for a set of samples, perform quantitation, and carry out instrument maintenance.

The Success Master program includes 3.5 onsite training days and is intended for a novice learner with no experience. It is designed to provide the learner with the knowledge necessary to set up the instrument, optimize compound and source parameters to create basic and advanced LC-MS/MS methods, acquire data for a set of samples, perform quantitation, and carry out instrument maintenance.

Table 1 details the topics that will be covered during the Success Plus and Master programs. The topics covered will vary depending on your level of experience and workflow.

Table 2 covers examples of additional application focused topics that could be covered during the training depending on your workflow. This is not an exhaustive list and it may be

Training program overview

Your Success Program training includes the following:

- 3 hours of introductory eLearning courses
- 5 hours (0.5 days) of instructor led and hands-on training provided at your site by a Service trainer
- **Success Plus:** 2 days of instructor led and hands-on training provided at your site by an Applications Support Scientist experienced in your workflow
- **Success Master:** 3 days of instructor led and hands-on training provided at your site by an Applications Support Scientist experienced in your workflow
- Complimentary follow-up virtual session with an Applications Support Scientist
- 10 hours of software and workflow related eLearning courses
- Basic operator workflow certificate upon successful completion of a final knowledge assessment
- Access to SCIEX Now Learning Hub database of >100 eLearning courses
- Access to SCIEX Now online support tools available for up to 3 Learners

Table 1: General topics covered during training

Topics covered	Success Plus program [2.5 total onsite days]	Success Master program [3.5 total onsite days]
Number of hands-on training days	0.5 days with Service trainer 2 days with Applications Support Scientist	0.5 days with Service trainer 3 days with Applications Support Scientist
Fundamentals	Sample preparation theory	LC-MS theory Basics of method development Sample preparation theory
Software overview	Overview of different modules	Overview of different modules
Instrument optimization	Manual and automated calibration	Manual and automated calibration
Manual tuning	Manual source and compound optimization Perform Instrument Optimization	Manual source and compound optimization Perform Instrument Optimization
System performance test	Assess system performance	Assess system performance
Acquisition method creation	Create a TOF MS method Create an MRM HR method Create an IDA method Create a SWATH acquisition method Create autosampler methods	Create a TOF MS method Create an MRM HR method Create an IDA method Create a SWATH acquisition method Create autosampler methods
Data acquisition	Create a sample batch Sample submission Queue management	Create a sample batch Sample submission Queue management
Explorer workspace	View acquired data	View acquired data
Quantitation	TOF-MS and/or TOF-MS/MS quantitation	TOF-MS and/or TOF-MS/MS quantitation
Maintenance and troubleshooting	System maintenance LC and MS troubleshooting Best practices for LC-MS	System maintenance LC and MS troubleshooting Best practices for LC-MS

NOTE: The topics covered will vary depending on the learner's level of experience and their workflow

Table 2: Example application focused topics covered during training

Workflows	Topics covered
Intact protein workflow	Intact protein acquisition and processing Antibody-Drug Conjugate [ADC] data acquisition and processing
Metabolomics and proteomics workflows	Variable window SWATH acquisition and processing
Peptide mapping workflow	Peptide mapping acquisition and processing
Metabolite/impurity ID workflow	Targeted screening data processing Non-targeted screening data processing
Pharma small molecule quantitation	Quantitation basics using LC-MS Targeted screening data processing Non-targeted screening data processing

NOTE: The topics covered will vary depending on the remaining training time, learner's level of experience and their workflow

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