Syllabus for Success Plus and Master for 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.

Course goals and outcome

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

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

This syllabus covers the Success Plus and Master programs. The Success Plus program includes 2.5 onsite training days and is intended for a learner with minimal experience. The Success Master program includes 3.5 onsite training days and is intended for a novice learner with no experience.

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 Success Plus and Master programs depending on your workflow. This is not an exhaustive list and it may be 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.

Upon completing the course, you should be comfortable with setting up the instrument, running a batch of samples, performing quantitative and qualitative analysis (if applicable) and processing data using appropriate software packages.

This course offers an Operator workflow certificate upon completion of a knowledge assessment.

Training program overview

Your Success Program training includes the following:

- 4 hours of software and workflow related 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
- Basic Operator workflow certificate upon successful completion of final exams
- P.A.C.E.® Continuing Education Credits for on-site training and selected online eLearning courses
- Access to SCIEX Now Learning Hub database of >100 eLearning courses
- Access to SCIEX Now online support tools available for up to 3 learners

P.A.C.E.® certification

SCIEX is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program. Learners interested in obtaining a P.A.C.E.® certificate and P.A.C.E.® accreditation for taking this course (equal to 12 P.A.C.E.® credits for Success Plus and 18 credits for Success Master) must attend the entire training session and complete a brief evaluation survey.

Table 1: General topics covered during Success programs

Topics covered during training	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*
Analyst TF software overview	*Overview of Analyst TF software*	
TOF theory	*Theory of LC-MS, TOF and ionization techniques*	
LC-MS system overview	*LC-MS system overview, system setup and plumbing* *Source overview and setup*	
System calibration	*Perform manual (using syringe) and automated calibration (using CDS and on column injection)*	
Manual tuning	*Perform manual optimization of source and compound parameters* *Perform Instrument Optimization*	
System performance test	*Assess system performance using appropriate solutions*	
Data acquisition	*Acquire data using IDA, SWATH and MRMHR methods* *Create autosampler methods*	
Basic data processing	*Data review using Analyst TF, PeakView or SCIEX OS-Q software*	
Quantitation	*TOF-MS and/or TOF-MS/MS quantitation using SCIEX OS-Q or MultiQuant software*	
Maintenance and troubleshooting	*Perform LC-MS system maintenance and 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 Success program

Topics covered during training	Description
Metabolomics workflow	*Create variable window SWATH method* *Data processing using SCIEX OS-Q, MasterView, LibraryView, PeakView software*
Peptide mapping workflow	*Data acquisition using peptide mapping methods* *Data processing using biologics software*
Intact protein workflow	*Intact protein data acquisition* *Antibody-Drug Conjugate (ADC) data acquisition* *Data processing using biologics software*
MarkerView software	*Data processing using MarkerView software*
Metabolite/impurity ID workflow	*Data acquisition and processing using MetabolitePilot software* *Data processing using SCIEX OS-Q, MasterView, LibraryView, PeakView software*
Proteomics workflow	*Data processing using ProteinPilot software* *SWATH Data processing using the SWATH Acquisition MicroApp, SWATH Replicates Template and MarkerView software* *Method creation using Skyline software and SWATH to MRM Builder application*

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

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