

Success Program Syllabus for Quantitation and Screening on SCIEX X500R QTOF System Learning Path

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

COURSE GOALS AND OUTCOME:

This SCIEX University™ course is personalized for the Quantitation and Screening workflow on a SCIEX X500R QTOF system. It offers a basic operator workflow certification.

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.

The Success Plus Program is intended to provide a novice user with the knowledge necessary to set up the instrument, create LC and MS methods, acquire data for a set of samples, and process targeted and SWATH® acquisition data.

The Success Master Program is intended to provide a novice user with the knowledge necessary to set up the instrument, create LC and MS methods, acquire data for a set of samples, process targeted, non-targeted and SWATH acquisition data, and perform system maintenance.

SUCCESS 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 Engineer
- **Success Plus:** 2 days of instructor led and hands-on training provided at your site by an Applications Support Scientist
- **Success Master:** 3 days of instructor led and hands-on training provided at your site by an Applications Support Scientist
- Complimentary follow-up WebEx session with an Applications Support Scientist
- 4 hours of Software and workflow related eLearning courses
- Basic Operator certification upon successful completion of a final exam
- P.A.C.E. Continuing Education Credits for selected online eLearning courses
- Access to SCIEX University database of >100 eLearning courses
- Access to SCIEX Now™ online support tools available for up to 3 Learners

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 Engineer 2 Days with Applications Support Scientist	0.5 Days with Service Engineer 3 Days with Applications Support Scientist
Fundamentals	Quantitation basics using LC-MS Sample Preparation	Theory of LC-MS Quantitation basics using LC-MS Sample Preparation
SCIEX OS Overview	Overview of different modules	Overview of different modules
Instrument Tuning Using MS Tune Mode	Quick check of instrument status	Quick check of instrument status Instrument tuning and calibration
Acquisition Method	Create MRM ^{HR} acquisition method Create SWATH acquisition method Create HPLC methods	Create IDA acquisition method Create MRM ^{HR} acquisition method Create SWATH acquisition method Create HPLC methods
Acquisition Batch	Setup a sample batch Sample submission Queue management	Setup a sample batch Sample submission Queue management
Data Processing Using Explorer Mode	Using different features of Explorer Mode	Using different features of Explorer Mode
Data Processing Using Analytics Mode	Targeted screening data processing SWATH acquisition data processing Report results	Targeted screening data processing Non-targeted screening data processing SWATH acquisition data processing Report results
Maintenance and Troubleshooting	HPLC and MS troubleshooting Best practices for LC-MS	System maintenance HPLC and MS troubleshooting Best practices for LC-MS

Topics Covered During Success Plus and Master Programs

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

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