

Success Program Syllabus for Forensics Quantitation 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 SCIEXUniversity course is personalized for the Forensics Quantitation workflow on a SCIEX triple quadrupole or QTRAP® system. It offers a basic operator and method developer 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 an LC-MS/MS method with known MRM transitions, acquire data for a set of samples, perform quantitation using MultiQuant™ Software or SCIEX OS Q Software, and carry out instrument maintenance.

The Success Master Program is intended to provide a novice user with the knowledge necessary to set up the instrument, optimize compound and source parameters to create an LC-MS/MS method, acquire data for a set of samples, perform quantitation using MultiQuant Software or SCIEX OS Q Software, and carry out instrument maintenance.

SUCCESS PROGRAM OVERVIEW:

Your Success Program Training includes the following:

- 3 hours of Introductory eLearning courses
- 5 hours of instructor led and hands-on training provided at your site by an Service Engineer
- **Success Plus:** 2 days of instructor led and hands-on training provided at your site by an Applications Support Scientist experienced in Forensic workflows
- **Success Master:** 3 days of instructor led and hands-on training provided at your site by an Applications Support Scientist experienced in Forensic workflows
- Complimentary follow-up WebEx session with an Applications Support Scientist
- 4 hours of Software and workflow related eLearning courses
- Basic Operator and Method Developer Workflow certifications upon successful completion of final exams
- P.A.C.E. Continuing Education Credits for selected courses
- Access to SCIEXUniversity database of >100 eLearning courses
- Access to SCIEXNow™ 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
Quantitation Overview	Quantitation basics using LC-MS Ion ratios Internal standards Calibration curve	Quantitation basics using LC-MS Ion ratios Internal standards Calibration curve
Sample Preparation	Sample preparation theory Examples	Sample preparation theory Examples
Analyst® Software	Overview of different modules	Overview of different modules
Compound Optimization	Not covered	Using Compound Optimization Mode Using Manual Tuning Mode
Acquisition Method	Create MS method with multiple MRM transitions Create <i>Scheduled</i> MRM™ acquisition method Create HPLC methods Using a divert valve	Create MS method with multiple MRM transitions Create <i>Scheduled</i> MRM acquisition method Create HPLC methods Using a divert valve
Source/Gas Optimization	Not covered	Optimal probe and electrode settings FIA optimization Source optimization using a column
Acquisition Batch	Setup a sample batch Create Quick Quant Method Sample submission Queue management	Setup a sample batch Create Quick Quant Method Sample submission Queue management
Explore Mode	Using different features of Explore Mode	Using different features of Explore Mode
Quantitation Using MultiQuant or SCIEX OS Q Software	User/project default settings Create processing method Data review Method modification	User/project default settings Create processing method Data review Method modification
Maintenance and Troubleshooting	System maintenance HPLC and MS troubleshooting Best practices for LCMS	System maintenance HPLC and MS troubleshooting Best practices for LCMS

NOTE: the topics covered may vary depending on the learner's level of experience

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