

## Success Program Syllabus for Environmental, Food and Beverage 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 Environmental, Food and Beverage 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 Environmental, Food and Beverage workflows
- **Success Master:** 3 days of instructor led and hands-on training provided at your site by an Applications Support Scientist experienced in Environmental, Food and Beverage 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)
<b>Number of Hands-on Training Days</b>	<b>0.5 Days</b> with Service Engineer <b>2 Days</b> with Applications Support Scientist	<b>0.5 Days</b> with Service Engineer <b>3 Days</b> with Applications Support Scientist
<b>Quantitation Overview</b>	Quantitation basics using LC-MS Ion ratios Internal standards Calibration curve	Quantitation basics using LC-MS Ion ratios Internal standards Calibration curve
<b>Sample Preparation</b>	Sample preparation theory Examples	Sample preparation theory Examples
<b>Analyst® Software</b>	Overview of different modules	Overview of different modules
<b>Compound Optimization</b>	<b>Not covered</b>	Using Compound Optimization Mode Using Manual Tuning Mode
<b>Acquisition Method</b>	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
<b>Source/Gas Optimization</b>	<b>Not covered</b>	Optimal probe and electrode settings FIA optimization Source optimization using a column
<b>Acquisition Batch</b>	Setup a sample batch Create Quick Quant Method Sample submission Queue management	Setup a sample batch Create Quick Quant Method Sample submission Queue management
<b>Explore Mode</b>	Using different features of Explore Mode	Using different features of Explore Mode
<b>Quantitation Using MultiQuant or SCIEX OS Q Software</b>	User/project default settings Create processing method Data review Method modification	User/project default settings Create processing method Data review Method modification
<b>Maintenance and Troubleshooting</b>	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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