# Syllabus for Success Plus and Master: Quantitation on SCIEX Triple Quad and QTRAP 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 for quantitation on the SCIEX Triple Quad and QTRAP systems and includes the following workflows:

- Environmental, food and beverage
- Forensics
- Clinical research
- Pharma/CRO

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.

The Success Plus program is intended 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 is intended 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.

This course offers Operator and Method Developer workflow certificates upon completion of a knowledge assessment.

**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
- 4 hours of software and workflow related eLearning courses
- Basic Operator and Method Developer workflow certificates 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 course and complete a brief evaluation survey.

**Table 1: General topics covered during Success Plus and Master program**

| 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*<br>***2 Days** with Applications Support Scientist* | ***0.5 Days** with Service trainer*<br>***3 Days** with Applications Support Scientist* |
| *Fundamentals* | *Quantitation basics using LC-MS*<br>*Sample preparation theory* | *Quantitation basics using LC-MS*<br>*Sample preparation theory* |
| *SCIEX OS-MQ or Analyst software* | *Overview of different modules* | *Overview of different modules* |
| *Instrument optimization* | *Instrument optimization using PPG or MS Single Tuning Solution* | *Instrument optimization using PPG or MS Single Tuning Solution* |
| *Compound optimization* | *Not covered* | *Perform automated and manual compound optimization* |
| *Acquisition method* | *Create MS method with multiple MRM transitions*<br>*Create Scheduled MRM method*<br>*Create LC methods*<br>*Using a diverter valve* | *Create MS method with multiple MRM transitions*<br>*Create Scheduled MRM method*<br>*Create LC methods*<br>*Using a diverter valve* |
| *Source/gas optimization* | *Not covered* | *Optimal probe and electrode settings*<br>*Perform FIA optimization*<br>*Perform source optimization using a column* |
| *Data acquisition* | *Setup a sample batch*<br>*Create Quick Quant Method (for acquisition using Analyst software)*<br>*Sample submission*<br>*Queue management* | *Setup a sample batch*<br>*Create Quick Quant Method (for acquisition using Analyst software)*<br>*Sample submission*<br>*Queue management* |
| *Viewing data* | *Using SCIEX OS-MQ or Analyst software to view data* | *Using SCIEX OS-MQ or Analyst software to view data* |
| *Quantitation using MultiQuant software or SCIEX OS-MQ* | *Process MRM data*<br>*Modify existing method* | *Process MRM data*<br>*Modify existing method* |
| *Maintenance and troubleshooting* | *System maintenance*<br>*HPLC and MS troubleshooting*<br>*Best practices for LC-MS* | *System maintenance*<br>*HPLC and MS troubleshooting*<br>*Best practices for LC-MS* |

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



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