

Syllabus for 1 day introduction to MS maintenance at customer site

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 intended for learners who have completed a SCIEX Now Learning Hub Success Program, or have significant operational experience with SCIEX LC-MS systems. It should provide you with the knowledge necessary to successfully perform basic and advanced MS maintenance tasks, and tune and calibrate the MS system. It consists of a variety of hands-on MS maintenance exercises delivered by an experienced SCIEX Service professional, and is supported by a series of easy-to-use quick reference guides.

Upon completion of the course, you will have a deeper understanding of MS maintenance and instrument optimization. This will enable you to increase your lab's productivity and uptime of your LC-MS system, and reduce the need for engineer call outs or remote assistance.

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

Training program overview

Your training includes the following:

- 1 day of instructor-led and hands-on training provided at the customer site by a Service professional
- Complimentary follow-up virtual session with an Applications Support Scientist
- Related self-paced eLearning courses, lectures, reference material and lab exercises
- Access to SCIEX Now Learning Hub database of >100 eLearning courses
- Access to SCIEX Now online support tools available for up to 3 learners
- Hands-on focus for 1 Primary learner and up to 3 learners total for demonstration and content

- Workflow certificate upon successful completion of final exam and permanent access to all course materials for reference
- P.A.C.E.[®] Continuing Education Credits

Instructor-led training topics

- MS maintenance
 - Front end cleaning under vacuum
 - Front end cleaning at atmospheric pressure
 - Ion guide cleaning
 - Replace or add pump oil
 - Replace air filter – where applicable
- Ion source maintenance
 - Replace the source electrode (APCI or ESI probes) – where applicable
 - Replace the source heater
 - Replace the APCI corona discharge needle – where applicable
- MS optimization
 - Manual tuning and calibration
 - Automated instrument tuning and calibration

The LC-MS system must be installed and configured before the training. It is preferred that the training is combined with a PM visit so that some consumable parts can be used as training aids. However, if this is not possible, refer to the **Required consumables for 1 day introduction to MS maintenance at customer site** document for consumables that you must provide for use during the training.

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 6 P.A.C.E.[®] credits) must attend the entire training session and complete a brief evaluation survey.

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