

## Agenda for 4 day introduction to Triple Quad virtual

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 exercises and self-paced eLearning, provided in a virtual format.

### Course goals and outcome

This training course is an introductory mass spectrometry class designed for new users who are working on small molecule quantitation through MRM or Scheduled MRM acquisition using all SCIEX triple quadrupole systems.

Upon completing the course, you should be comfortable with performing instrument tuning and calibration, optimizing compound and source parameters, creating MRM and Scheduled MRM methods, performing data acquisition and quantitative processing, and performing basic maintenance of your instrument.

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

This training is a mixture of synchronous and asynchronous training delivered over 4 days. Daily video conferencing sessions will be conducted by an instructor to explain and demonstrate each topic. Exercises and data files are provided to allow you to practice the principles demonstrated during the instructor-led sessions at a later time at your own pace.

### Course agenda

#### DAY 1: 4 hours

- **Lecture:** Mass spectrometry fundamentals
- **Lab exercise:** SCIEX OS/Analyst software overview
- **Lecture:** Mass spectrometry scan types
- **Lab exercise:** Instrument tuning and calibration

#### DAY 2: 4 hours

- Knowledge review and discussion
- **Lecture:** Compound optimization and MS/MS scans

- **Lab Exercise:** ESI compound optimization and quadrupole scans

#### DAY 3: 4 hours

- Knowledge review and discussion
- **Lecture:** Source optimization
- **Lab exercise:** ESI source and gas optimization
- **Lab exercise:** Acquisition method and batch setup

#### DAY 4: 4 hours

- Knowledge review and discussion
- **Lecture:** LC-MS/MS quantitation basics
- **Lab exercise:** MRM data processing
- **Demonstration:** MS maintenance

*\*Timings are approximate and may vary*

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