GCMS-101

Introduction to GCMS Single Quad Instrumentation – GCMS-QP2020 NX

This course consists of classroom and laboratory activities.

**Duration**: 3 days

**Items needed**: Everything needed is provided in the class. A personal laptop is recommended.

**Course Description**

This course introduces the basic principles behind GCMS in addition to Shimadzu's GCMS hardware, and GCMS Solutions software. Students will learn to operate the hardware, create methods, acquire data, calibrate for quantitation, perform library searches, and evaluate an autotune. Routine maintenance and fundamental troubleshooting will also be covered.

**Learning Outcomes**

Learning outcomes are the competencies the learner will acquire during this course. At the end of this course the learner will be able to:

- Identify and describe the major components in a GCMS
- Demonstrate proficiency in operating the GCMS
- Explain method hardware parameters used for analysis
- Create a method for qualitative and quantitative analysis
- Perform maintenance and solve troubleshooting scenarios

**Certification**

To meet every learner's need, each course has two certification paths:

1) **Completion** – for those who require evidence the learning outcomes have been achieved.
2) **Attendance** – for those who don't want assessment.

To gain a certificate of completion, a passing grade of ≥70% of the total points available from assessments is required and, for in-person training, ≥90% attendance is required.

**Registration**

To register for this and all other Shimadzu Scientific Instruments training courses see directions on the next page. If you have any questions about registration, please email training@shimadzu.com.

For managers or administrators, or those otherwise tasked with signing up a learner other than themselves, be sure to create an account with the learner's information.
About Shimadzu Scientific Instruments’ Training

Shimadzu Scientific Instruments’ training has helped thousands of scientists advance their careers through a wide variety of instrument and application training courses. Guided by learning science, these courses are designed by our team of subject-matter experts and learning professionals to provide a tailored blend of information and practice. For our in-person courses, instruction is provided by highly trained specialists who are experts in their respective fields.