SHIMADZU
Excellence in Science

eGC-102

Introduction to GC Instrumentation – Nexis GC-2030

This course consists of online self-paced modules and activities.

Product code: 220-99214-02
Duration: 12 hours

Items needed: The test column and instrument supplies that shipped with the instrument, Restek Grob test mix (Restek P/N: 35000), Kimwipes and powder free latex or nitrile gloves.

Course Description

This course will cover the knowledge and skills needed to run the Nexis GC-2030 with LabSolutions software. Students will learn to operate the GC instrument, create methods and batches, acquire data, and quantitatively process data. Students will also learn how to perform basic user maintenance on the Nexis GC-2030 and troubleshoot basic chromatographic issues. There are assignments that require you to create a method, run and analyze samples in a batch, and perform user maintenance and troubleshooting. You will be prompted to attach files or screenshots to complete these assignments. In addition, there are two short quizzes and a final exam.

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:

- Explain basic tenets of gas chromatography theory
- Integrate instrument maintenance skills into daily routines
- Integrate instrument troubleshooting skills into daily routines
- Describe the costs of instrument downtime
- Implement sound sample introduction theory
- Compare different sample preparation techniques
- Demonstrate method development skills
- Demonstrate LabSolutions software skills

Certification

To meet every learners' 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**.

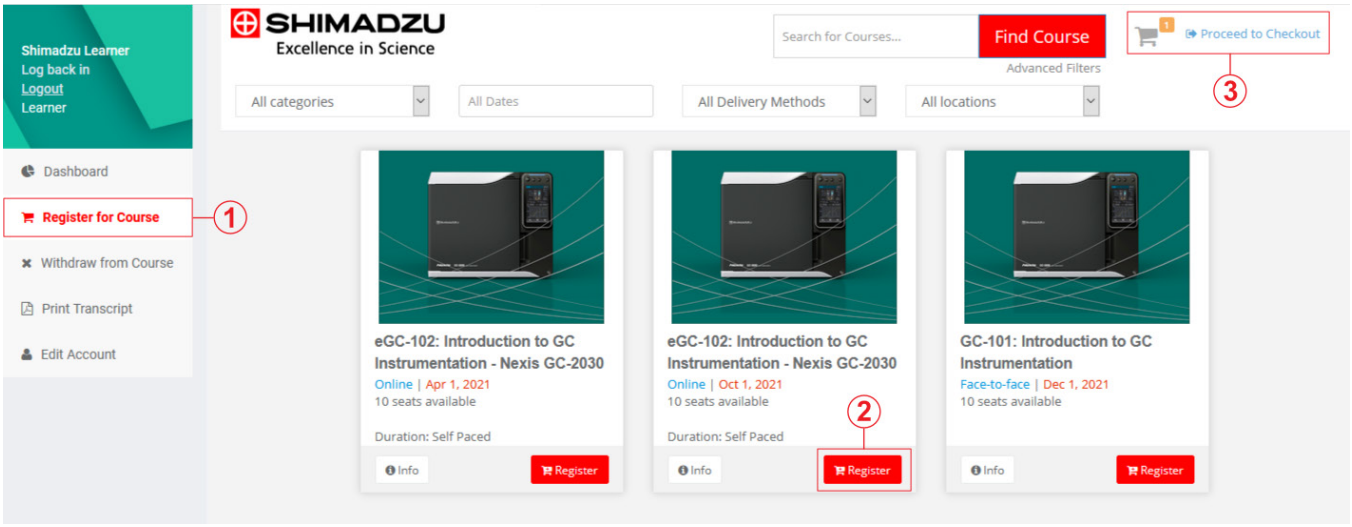
For managers or administrators, or those otherwise tasked with signing up a learner other than themselves, be sure to create an account with the learner's information.

Create an Account

1. Visit https://shimadzu.geniussis.com/PublicStudentSignUp.aspx.
2. Fill in all fields on the page. Food Allergies is a required field to best serve our in-person learners. This information is not shared with anyone.
3. Click Register. You will be taken to your dashboard.

Register for a Course

1. Click "Register for Course" in the left-navigation menu.
2. Click "Register" on the course or courses of your choice. This will place your course(s) in the cart.
3. Click the cart icon and then "Proceed to Checkout" in the popup or click "Proceed to Checkout" on the page.
4. Expand the "Payment Methods" form and select your payment method from the two options: Credit Card and P.O./Quote Number. If you select P.O./Quote Number, fill-in a P.O or Quote Number.
5. Click Submit.
6. You are now enrolled in the course(s). You may receive a follow-up phone call from a Customer Service Representative to finish collecting Credit Card payment or to verify your P.O./Quote Number.



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.

SHIMADZU

Shimadzu Scientific Instruments
7102 Riverwood Drive, Columbia, Maryland 21046, U.S.A.
Phone: 800-477-1227/410-381-1227, Fax: 410-381-1222
www.ssi.shimadzu.com