

2021 Agilent University Customer Training Catalog

Advance your skills, advance your lab





Ready to Make a Stronger Impact on Your Lab's Success?

Continually increasing your skill levels directly affects your ability to advance your lab's goals. Whether you're a lab technician, chemist, or lab manager, Agilent offers the right level of education when and where you need it.

Online learning

Expand your knowledge anytime, anywhere, and at any pace with on-demand options—including e-Learning and virtual instructor-led training. It's a flexible way to master the fundamentals of chromatography, maintenance, troubleshooting, and more.

Classroom training

Experience the highest level of interactivity by attending an in-person class at an Agilent training center. You'll solidify your learning with a combination of lecture and hands-on instruction, and receive a certificate of completion at the end of the course.

Onsite training

Enjoy the convenience of customized, Agilent-developed courses brought right to your site. We'll create a program for your lab's unique needs—covering topics like hardware and software familiarization, method transfer, and method development/optimization. We can also discuss options for delivering remotely.

Method and application services

Overcome application problems—and reduce the time it takes to deploy new methods—by partnering with Agilent CrossLab. Our global team of experts will address your application needs, helping you accelerate productivity and improve outcomes.

What's New at Agilent University?



Agilent University Cloud Laboratory

The Agilent University Cloud Laboratory lets you practice your skills right in your Web browser, just as if you were using a live Agilent instrument. So you can dramatically improve your retention of key skills and concepts.

Agilent University ePass

Now it's easy and cost effective to learn anytime, anywhere. An Agilent University ePass gives you unlimited 24/7 access to all Agilent University online e-Learning content for three months or one year, all at one low price.

Learning Paths

Learning paths provide a guided learning experience to increase user skills. Simply find the learning path for your instrument, software, or other learning topic, then view the recommended courses for proper technique, data analysis, troubleshooting, and more.

Virtual Instructor-led Courses

Time and budget constraints shouldn't stop you from advancing your skills. Virtual online training from Agilent University combines the benefits of a live class with the convenience of online education with no need to travel.

Did you know...

- Agilent offers over 350 formal training classes and 500 online courses.
- The Agilent Content Development Team represents more than 60 years of combined experience.
- Over the past year, Agilent University has delivered over 4,000 classes to more than 26,000 participants worldwide.
- More than 100 online e-Learning opportunities are available at no cost to you.

Hands-on Classroom Training: Maximize Skill Development and Confidence

With personalized attention, direct lab experience, and limited distractions, a classroom setting fosters the highest level of focus, skill retention, and peer networking.

Agilent University classroom courses are taught at training sites with fully equipped classrooms and laboratories in more than 50 locations worldwide. Most courses include in-depth training manuals you can take with you for reference at your lab.

Need tailor-made training specific to your laboratory? Want to train your entire team simultaneously, without organizing travel? Request a customized training course delivered at your site by an Agilent expert, or contact us to discuss possible remote delivery options.

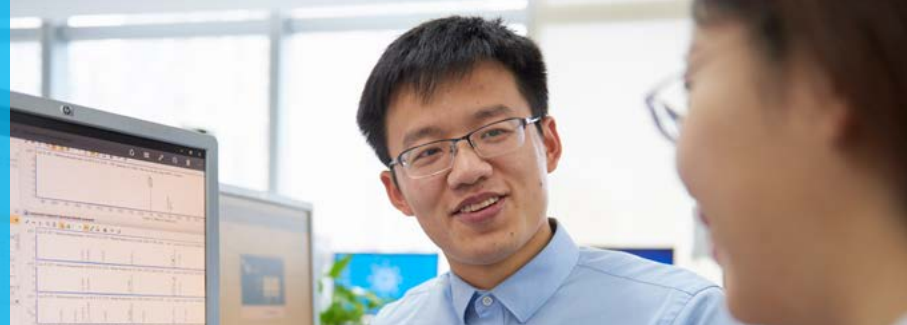
Your health and safety are our top priority

Visiting an Agilent site? Here's what we're doing to ensure your peace of mind:

- Increased cleaning and disinfection in work areas, common areas, customer areas, buses, and vans
- Enforced social distancing, face coverings, and PPE
- Adjusted ventilation to optimize fresh air and limit recirculation
- Temperature checks and symptom screenings



Table of Contents



To view specific course offerings, click your technique of interest.

[Gas Chromatography Courses](#) **[6](#)**

[Classroom/Onsite Courses](#)

[Self-paced e-Learning Courses](#)

[Virtual Instructor-led Courses](#)

[Liquid Chromatography Courses](#) **[16](#)**

[Classroom/Onsite Courses](#)

[Self-paced e-Learning Courses](#)

[Virtual Instructor-led Courses](#)

[GC/MS Chromatography Courses](#) **[20](#)**

[Classroom/Onsite Courses](#)

[Self-paced e-Learning Courses](#)

[Virtual Instructor-led Courses](#)

[LC/MS Chromatography Courses](#) **[28](#)**

[Classroom/Onsite Courses](#)

[Self-paced e-Learning Courses](#)

[Virtual Instructor-led Courses](#)

[Spectroscopy \(Atomic and Molecular\) Courses](#) **[34](#)**

[Classroom/Onsite Courses](#)

[Self-paced e-Learning Courses](#)

[Virtual Instructor-led Courses](#)

[Software and Informatics Courses](#) **[39](#)**

[Classroom/Onsite Courses](#)

[Self-paced e-Learning Courses](#)

[Vacuum Courses](#) **[43](#)**

[Classroom/Onsite Courses](#)

[Cell Analysis Courses](#) **[44](#)**

[Self-paced e-Learning Courses](#)

[Lab Courses](#) **[45](#)**

[Self-paced e-Learning Courses](#)

[Sample Prep Courses](#) **[46](#)**

[Self-paced e-Learning Courses](#)

Classroom course calendar

To see a calendar of specific dates for classroom courses [click here](#)

Gas Chromatography Courses



Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
Classroom/Onsite Courses					
GC-0GEN-2000cV2	Practical Gas Chromatography Are you curious about how a gas chromatograph (GC) operates, what you need to do to keep your GC system running efficiently, or how to optimize your acquisition methods to improve chromatography? Improve your efficiency with Agilent's innovative gas chromatography systems. Produce chromatograms and assess what can be changed to achieve the best results. – Discuss theory and operation of GCs. – Construct a method to acquire data, run samples and compare how different inlet and column parameters impact the results. – Define qualitative and quantitative analysis, build a calibration curve and apply it to your method in the lab. – Produce reports, and using the values in the report, determine the optimal method parameters. – Locate inlet and detector components that require maintenance to keep your system running optimally and practice replacing them in the hands-on lab.	Classroom	4 days	2,000	\$2,480/\$3,220
		Onsite			Request quote
GC-6890-2100c	Agilent 6890 GC and ChemStation Operation This course is designed to introduce the fundamental concepts of GC and the operation of the Agilent 6890 Gas Chromatograph using capillary columns and GC ChemStation software revision B.04.	Onsite	5 days		Request quote
GC-6890-2200c	Agilent 6890 GC Maintenance This course is designed for those who have the responsibility for the preventive maintenance and first level repair of the Agilent 6890 GC. The course covers preventive maintenance for split/splitless inlets, FID and TCD detectors and mainframe and electronics hardware. The current version of ChemStation will be used during the training but the course is software independent and will apply regardless of your instrument controller.	Classroom	4 days	2,400	\$2,976/\$3,864
		Onsite			Request quote

Gas Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GC-7890-2100cV5	Agilent 7890A/B GC and OpenLab ChemStation Operation Are you curious about how an Agilent gas chromatograph (GC) operates, what you need to do to keep your GC system running efficiently, or how it works with OpenLab CDS ChemStation Edition C.01.10? Improve your efficiency with Agilent's innovative gas chromatography systems. Use the tools in OpenLab CDS ChemStation Edition to save time in the analysis, interpretation, and reporting workflows so you can identify key information and solve problems faster. — Discuss theory and operation of the Agilent 7890A, Agilent 7890B GCs. — Construct a new method to acquire data, run single samples and automate the sample acquisition by using the OpenLab CDS ChemStation Edition Sequence in hands-on lab exercises. — Develop a new method used to process data, analyze the data and then optimize the data analysis method using a targeted approach. — Produce reports and modify existing OpenLab CDS ChemStation Edition report templates to create one that is customized for your unique data. — Locate inlet and detector components that require maintenance to keep your system running optimally and practice replacing them in the hands-on lab.	Classroom	5 days	2,500	\$3,100/\$4,025
		Onsite			Request quote
GC-7890-2104c	Agilent 7890 GC and OpenLab EZChrom Operation This course is designed for those who want to enhance their skills in the techniques and software operation of the Agilent 7890 with OpenLab CDS EZChrom Edition. The course utilizes a lecture format with instrument laboratories. Topics include creating qualitative and quantitative methods, sequencing, GC instrument operating principles, OpenLab basic administration and hardware maintenance	Onsite	3 days		Request quote
GC-7890-2200cV4	Agilent 7890A/B GC Troubleshooting and Maintenance Are you responsible for maintaining or repairing the Agilent 7890A or 7890B GC? This course is designed for those who have the responsibility for the preventive maintenance and first level repair of the Agilent 7890 GC and 7693 ALS.	Classroom	4 days	2,400	\$2,976/\$3,864
		Onsite			Request quote
GC-7890-2206cV3	Agilent 7890 GC Routine Maintenance Are you responsible for maintaining or repairing the Agilent 7890A or 7890B GC? This one-day lecture-only course is designed for those who have the responsibility for the preventive maintenance and first level repair of the Agilent 7890 GC and 7693 ALS.	Onsite	1 day		Request quote

Gas Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GC-8890-2100cV2	Agilent 8890 GC Operation with OpenLab CDS ChemStation Edition Are you curious about how an Agilent gas chromatograph (GC) operates, what you need to do to keep your GC system running efficiently, or how it works with OpenLab CDS ChemStation Edition C.01.10? Improve your efficiency with Agilent's innovative gas chromatography systems. Use the tools in OpenLab CDS ChemStation Edition to save time in the analysis, interpretation, and reporting workflows so you can identify key information and solve problems faster. — Discuss theory and operation of the Agilent 8890 GC. — Construct a new method to acquire data, run single samples and automate the sample acquisition by using the OpenLab CDS ChemStation Edition Sequence in hands-on lab exercises. — Develop a new method used to process data, analyze the data and then optimize the data analysis method using a targeted approach. — Produce reports and modify existing OpenLab CDS ChemStation Edition report templates to create one that is customized for your unique data. — Locate inlet and detector components that require maintenance to keep your system running optimally and practice replacing them in the hands-on lab.	Classroom	4 days	2,000	\$2,480/\$3,220
		Onsite			Request quote
GC-8890-2101cV2	Agilent 8890 GC Operation with OpenLab CDS Are you curious about how an Agilent gas chromatograph (GC) operates, what you need to do to keep your GC system running efficiently, or how it works with OpenLab CDS Version 2.5? Improve your efficiency with Agilent's innovative gas chromatography systems. Use the tools in OpenLab CDS Version 2.5 to save time in the analysis, interpretation, and reporting workflows so you can identify key information and solve problems faster. — Discuss theory and operation of the Agilent 8890 GC. — Construct a new method to acquire data, run single samples and automate the sample acquisition by using the OpenLab CDS Version 2.5 Sequence in hands-on lab exercises. — Develop a new method used to process data, analyze the data and then optimize the data analysis method using a targeted approach. — Produce reports and modify existing OpenLab CDS Version 2.5 report templates to create one that is customized for your unique data. — Locate inlet and detector components that require maintenance to keep your system running optimally and practice replacing them in the hands-on lab.	Classroom	4 days	2,000	\$2,480/\$3,220
		Onsite			Request quote
GC-8890-2200c	Agilent 8890 GC Maintenance and Troubleshooting Are you responsible for maintaining or repairing the Agilent 8890 GC? This four-day lecture and laboratory course is designed for those who have the responsibility for the preventative maintenance and first level repair of the Agilent 8890 GC and 7693A ALS.	Classroom	4 days	2,400	\$2,976/\$3,864
		Onsite			Request quote
GC-8890-2206c	Agilent 8890 GC Routine Maintenance Are you responsible for maintaining or repairing the Agilent 8890 GC? This one-day lecture only course is designed for those who have the responsibility for the preventative maintenance and first level repair of the Agilent 8890 GC and 7693A ALS. GC-8890-2200c offers hands-on laboratory exercises if you are interested in a lecture and laboratory course.	Onsite	1 day		Request quote

Gas Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GC-9000-1101cV2	Agilent Intuvo 9000 GC Basic Operation and Maintenance Are you curious about how the Agilent Intuvo 9000 GC works, and what you need to do to keep your GC system running efficiently? In this one-day course, you will – Discuss theory and operation of the Agilent Intuvo 9000 GC. – Construct a new method to acquire data and utilize the built-in resource conservation tools. – Locate inlet and detector components that require maintenance to keep your system running optimally, automate early maintenance feedback counters, and practice replacing components in the hands-on lab.	Onsite	1 day		Request quote
GC-9000-2101cV5	Agilent 7890 GC and Intuvo 9000 GC Operation with OpenLab CDS Are you curious about how an Agilent gas chromatograph (GC) operates, what you need to do to keep your GC system running efficiently, or how it works with OpenLab CDS Version 2.5? Improve your efficiency with Agilent's innovative gas chromatography systems. Use the tools in OpenLab CDS Version 2.5 to save time in the analysis, interpretation, and reporting workflows so you can identify key information and solve problems faster. – Discuss theory and operation of the Agilent 7890 Series GC and Intuvo 9000 GC. – Construct a new method to acquire data, run single samples and automate the sample acquisition by using the OpenLab CDS Version 2.5 Sequence in hands-on lab exercises. – Develop a new method used to process data, analyze the data and then optimize the data analysis method using a targeted approach. – Produce reports and modify existing OpenLab CDS Version 2.5 report templates to create one that is customized for your unique data. – Locate inlet and detector components that require maintenance to keep your system running optimally and practice replacing them in the hands-on lab.	Classroom Onsite	4 days	2,200	\$2,728/\$3,542 Request quote
GC-9000-2103cV2	Agilent Intuvo 9000 GC with OpenLab CDS ChemStation Edition Are you curious about how an Agilent gas chromatograph (GC) operates, what you need to do to keep your GC system running efficiently, or how it works with OpenLab CDS ChemStation Edition C.01.10? Improve your efficiency with Agilent's innovative gas chromatography systems. Use the tools in OpenLab CDS ChemStation Edition to save time in the analysis, interpretation, and reporting workflows so you can identify key information and solve problems faster. – Discuss theory and operation of the Agilent Intuvo 9000 GC. – Construct a new method to acquire data, run single samples and automate the sample acquisition by using the OpenLab CDS ChemStation Edition Sequence in hands-on lab exercises. – Develop a new method used to process data, analyze the data and then optimize the data analysis method using a targeted approach. – Produce reports and modify existing OpenLab CDS ChemStation Edition report templates to create one that is customized for your unique data. – Locate inlet and detector components that require maintenance to keep your system running optimally and practice replacing them in the hands-on lab.	Onsite	4 days		Request quote

Gas Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GC-OLCS-2100cV5	7890 GC OpenLab CDS ChemStation Data Analysis and Reporting Are you curious about how to operate an Agilent GC with OpenLab CDS ChemStation Edition C.01.10? Improve your efficiency with Agilent's innovative gas chromatography systems. Use the tools in OpenLab CDS ChemStation Edition to save time in the analysis, interpretation, and reporting workflows so you can identify key information and solve problems faster. This is a laptop only course and does not include hands-on time with the GC. – Discuss the key components of the Agilent 7890A GC and Agilent 7890B GC and support resources that are available. – Construct a new method to acquire data, simulate the data acquisition by using the OpenLab CDS ChemStation Edition C.01.10 software with a Virtual GC in hands-on lab exercises. – Develop a new method used to process data, analyze the data and then optimize the data analysis method using a targeted approach. – Produce reports and modify existing OpenLab CDS ChemStation Edition report templates to create one that is customized for your unique data.	Onsite	3 days		Request quote
Self-Paced e-Learning Courses					
GC-0GEN-1000s	Fundamentals of Gas Chromatography Video Series	e-Learning	Self-paced	0	Free
GC-0GEN-1001e	Gas Management Best Practices	e-Learning	Self-paced	0	Free
GC-0GEN-1010r	Tech Talks—Understanding Split Injections in GC	e-Learning	Self-paced	0	Free
GC-0GEN-1012s	GC Inlets Theory and Operation	e-Learning	self-paced	200	\$248/322
GC-0GEN-1013s	GC Detectors Theory and Operation	e-Learning	Self-paced	200	\$248/322
GC-0GEN-1030s	Rules of the Road: What to Consider When Developing a GC Method	e-Learning	Self-paced	100	\$124/\$161
GC-0GEN-1040z	Practical Steps in GC Troubleshooting	e-Learning	Self-paced	0	Free
GC-0GEN-1050r	Understanding How GC Temperature Programming Works	e-Learning	Self-paced	50	\$62/\$81
GC-0GEN-1051r	FID Theory and Operation	e-Learning	Self-paced	0	Free
GC-0GEN-1070e	Installation Care and Maintenance of Capillary GC Columns	e-Learning	Self-paced	100	\$124/\$161
GC-0GEN-1071e	An Overview of the Agilent J&W Column Portfolio	e-Learning	Self-paced	0	Free
GC-0GEN-1072e	Agilent Packed GC Columns	e-Learning	Self-paced	0	Free
GC-0GEN-1240z	Cutting UltiMetal Plus Stainless Steel Capillary Tubing	e-Learning	Self-paced	0	Free
GC-0GEN-2001z	Tips on Making your GC System and Analysis More Robust	e-Learning	Self-paced	0	Free
GC-0GEN-2040zs	GC Troubleshooting Series	e-Learning	Self-paced	0	Free
GC-0GEN-2090r	Factors to Consider When Optimizing Your Method	e-Learning	Self-paced	50	\$62/\$81

Gas Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GC-6850-2232z	How to Run the 6850 Split/Splitless Inlet Vent Test	e-Learning	Self-paced	0	Free
GC-6850-2233z	How to Run the 6850 GC Split/Splitless Inlet Vent Test	e-Learning	Self-paced	0	Free
GC-6890-1100e	Agilent 6890 GC Mainframe and Keyboard Operation	e-Learning	Self-paced	100	\$124/\$161
GC-6890-2220e	Agilent 6890 Capillary Split Inlet Operation	e-Learning	Self-paced	100	\$124/\$161
GC-6890-2230e	Agilent 6890 Capillary Splitless Inlet	e-Learning	Self-paced	100	\$124/\$161
GC-7890-1200e	Introduction to the Agilent 7890 GC	e-Learning	Self-paced	100	\$124/\$161
GC-7890-1201z	Agilent 7890B GC eFamiliarization for New Users	e-Learning	Self-paced	0	Free
GC-7890-1202z	Agilent 7890B GC eFamiliarization for Update Users	e-Learning	Self-paced	0	Free
GC-7890-1250s	Agilent 7890 Flame Ionization Detector (FID) Theory and Operation	e-Learning	Self-paced	100	\$124/\$161
GC-7890-1251s	Agilent 7890 Thermal Conductivity Detector (TCD) Theory and Operation	e-Learning	Self-paced	100	\$124/\$161
GC-7890-2100s	Agilent 7890 GC Split/Splitless Inlet Fundamentals and Operations	e-Learning	Self-paced	100	\$124/\$161
GC-7890-2200fs	Agilent 7890 Series GC Maintenance and Troubleshooting	e-Learning	Self-paced	200	\$248/\$322
GC-7890-2200s	Agilent 7890 GC Maintenance and Troubleshooting	e-Learning	Self-paced	200	\$248/\$322
GC-7890-2230z	Replacing the Split/Splitless Inlet Gold Seal	e-Learning	Self-paced	0	Free
GC-7890-2231z	How to Replace the GC Split/Splitless Inlet Liner, Septum and O-Ring	e-Learning	Self-paced	0	Free
GC-7890-2232z	How to Replace the 7890 Split Vent Trap	e-Learning	Self-paced	0	Free
GC-7890-2233z	How to Perform a GC Inlet Leak Check	e-Learning	Self-paced	0	Free
GC-7890-2240s	Agilent 7890 Series GC: Preparing for Maintenance and Maintenance Utilities	e-Learning	Self-paced	100	\$124/\$161
GC-7890-2245s	Agilent 7890 Series GC: Split/Splitless Inlet Troubleshooting	e-Learning	Self-paced	100	\$124/\$161
GC-7890-2250s	Agilent 7890 Series GC: Flame Ionization Detector (FID) Maintenance and Troubleshooting	e-Learning	Self-paced	100	\$124/\$161
GC-7890-2261r	Using the Agilent 7890 GC Service Mode Leak Check Diagnostics Test	e-Learning	Self-paced	100	\$124/\$161
GC-7890-2281r	Agilent 7890 Series GC Thermal Conductivity Detector (TCD) Troubleshooting	e-Learning	Self-paced	100	\$124/\$161
GC-8355-1001z	Technology Advancements in Sulfur Chemiluminescence Detection	e-Learning	Self-paced	0	Free
GC-8355-1250zs	8355 Integrated Sulfur Chemiluminescence Detector Webinar Series	e-Learning	Self-paced	0	Free
GC-8860-1201z	Agilent 8860 GC eFamiliarization for New Users	e-Learning	Self-paced	0	Free
GC-8860-1202z	Agilent 8860 GC eFamiliarization for Update Users	e-Learning	Self-paced	0	Free

Gas Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GC-8890-1200e	Introduction to the Agilent 8890 GC	e-Learning	Self-paced	100	\$124/\$161
GC-8890-1201e	Getting Prepared for Your New GC System	e-Learning	Self-paced	0	Free
GC-8890-1201z	Agilent 8890 GC eFamiliarization for New Users	e-Learning	Self-paced	0	Free
GC-8890-1202z	Agilent 8890 GC eFamiliarization for Update Users	e-Learning	Self-paced	0	Free
GC-8890-2200s	Agilent 8890 GC Maintenance and Troubleshooting	e-Learning	Self-paced	200	\$248/\$322
GC-9000-1100s	Introduction, Operation and Shutdown of the Agilent 7890 Series and Intuvo 9000 GC Systems	e-Learning	Self-paced	150	\$186/\$242
GC-9000-1200e	Introduction to the Agilent Intuvo 9000 GC	e-Learning	Self-paced	100	\$124/\$161
GC-9000-1200s	Quick Launch Intuvo Maintenance Videos	e-Learning	Self-paced	0	Free
GC-9000-1201z	Agilent Intuvo 9000 GC eFamiliarization for New Users	e-Learning	Self-paced	0	Free
GC-9000-1202z	Agilent Intuvo 9000 GC eFamiliarization for Update Users	e-Learning	Self-paced	0	Free
GC-9000-1250s	Agilent 9000 Intuvo GC Flame Ionization Detector (FID) Theory and Operation	e-Learning	Self-paced	100	\$124/\$161
GC-9000-1251r	Agilent 9000 Intuvo GC Thermal Conductivity Detector (TCD) Theory and Operation	e-Learning	Self-paced	100	\$124/\$161
GC-9000-2100s	Agilent 9000 Intuvo GC Split/Splitless Inlet Fundamentals and Operations	e-Learning	Self-paced	100	\$124/\$161
GC-MULTI-1120e	Agilent GC and GC Sampler Control in Non-Agilent Data Systems	e-Learning	Self-paced	100	\$124/\$161
GC-MULTI-1231z	How to Install Ultra Inert Liners	e-Learning	Self-paced	0	Free
GC-MULTI-1240z	Making Better GC Connections	e-Learning	Self-paced	0	Free
GC-MULTI-1240zs	Making Productivity Happen: an Agilent GC eLearning Series	e-Learning	Self-paced	0	Free
GC-MULTI-1241z	Self Tightening Column Nut Installation: Inlet or Detector	e-Learning	Self-paced	0	Free
GC-MULTI-1242z	Self Tightening Column Nut Installation: MultiMode Inlet	e-Learning	Self-paced	0	Free
GC-MULTI-1243z	UltiMetal Plus Flexible Metal Ferrule Column Connections	e-Learning	Self-paced	0	Free
GC-MULTI-2100e	Advanced Operation of the Multi Mode Inlet (MMI)	e-Learning	Self-paced	200	\$248/\$322
GC-MULTI-2190e	GC Calculators: An Introduction	e-Learning	Self-paced	0	Free
GC-MULTI-2200z	How to Create a Maintenance Method	e-Learning	Self-paced	0	Free
GC-MULTI-2250r	FPD+ Maintenance	e-Learning	Self-paced	0	Free
GC-MULTI-2250s	FID Maintenance and Troubleshooting	e-Learning	Self-paced	100	\$124/\$161
GC-MULTI-2251r	NPD Maintenance	e-Learning	Self-paced	0	Free

Gas Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GC-OLCS-2100s	Agilent GC Operation with OpenLab CDS ChemStation Edition (Ver. C.01.08)	e-Learning	Self-paced	500	\$620/\$805
GC-OLCS-2100sV2	Agilent GC Operation with OpenLab CDS ChemStation Edition (Ver. C.01.09)	e-Learning	Self-paced	500	\$620/\$805
GC-OLCS-2101e	Introduction to the Operation of Agilent GCs with OpenLab CDS ChemStation Edition Software (Ver. C.01.08)	e-Learning	Self-paced	100	\$124/\$161
GC-OLCS-2101eV2	Introduction to the Operation of Agilent GCs with OpenLab CDS ChemStation Edition Software (Ver. C.01.09)	e-Learning	Self-paced	100	\$124/\$161
GC-OLCS-2120e	Use OpenLab CDS ChemStation Edition Software to setup a GC Method (Ver. C.01.08)	e-Learning	Self-paced	100	\$124/\$161
GC-OLCS-2120eV2	Use OpenLab CDS ChemStation Edition Software to setup a GC Method (Ver. C.01.09)	e-Learning	Self-paced	100	\$124/\$161
GC-OLCS-2130e	Process GC Qualitative Data Using OpenLab CDS ChemStation Edition Software (Ver. C.01.08)	e-Learning	Self-paced	100	\$124/\$161
GC-OLCS-2130eV2	Process GC Qualitative Data Using OpenLab CDS ChemStation Edition Software (Ver. C.01.09)	e-Learning	Self-paced	100	\$124/\$161
GC-OLCS-2150e	Process GC Quantitative Data Using OpenLab CDS ChemStation Edition Software (Ver. C.01.08)	e-Learning	Self-paced	100	\$124/\$161
GC-OLCS-2150eV2	Process GC Quantitative Data Using OpenLab CDS ChemStation Edition Software (Ver. C.01.09)	e-Learning	Self-paced	100	\$124/\$161
GC-OLCS-2150sc	Agilent GC OpenLab CDS ChemStation Edition Quantification with Cloud Laboratory (Version C.01.09)	e-Learning	Self-paced	400	\$496/\$644
GC-OLCS-2150scV2	Agilent GC OpenLab CDS ChemStation Edition Quantification with Cloud Laboratory (Version C.01.10)	e-Learning	Self-paced	400	\$496/\$644
GC-OLCS-2160e	Report GC Data using OpenLab CDS ChemStation Edition Software (Ver.C.01.08)	e-Learning	Self-paced	100	\$124/\$161
GC-OLCS-2170e	Introduction to using Intelligent Reports in OpenLab CDS ChemStation Edition with GC Data (Ver. C.01.08)	e-Learning	Self-paced	100	\$124/\$161
GC-OLCS-2170eV2	Introduction to using Intelligent Reports in OpenLab CDS ChemStation Edition with GC Data (Ver. C.01.09)	e-Learning	Self-paced	100	\$124/\$161
GC-OLCS-2171e	Review and Process GC Data with OpenLab CDS ChemStation Edition (Ver. C.01.08)	e-Learning	Self-paced	100	\$124/\$161
GC-OLCS-2171eV2	Review and Process GC Data with OpenLab CDS ChemStation Edition (Ver. C.01.09)	e-Learning	Self-paced	100	\$124/\$161
GC-OLCS-2180e	GC Sequencing with OpenLab CDS ChemStation Edition Software (Ver. C.01.08)	e-Learning	Self-paced	100	\$124/\$161
GC-OLCS-2180eV2	GC Sequencing with OpenLab CDS ChemStation Edition Software (Ver. C.01.09)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2101s	Agilent GC Operation with OpenLab CDS (Ver. 2.3)	e-Learning	Self-paced	600	\$744/\$966
GC-OLII-2101sV2	Agilent GC Operation with OpenLab CDS (Ver. 2.4)	e-Learning	Self-paced	600	\$744/\$966
GC-OLII-2102e	Introduction to the Operation of Agilent GCs with OpenLab CDS (Ver. 2.3)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2102eV2	Introduction to the Operation of Agilent GCs with OpenLab CDS (Ver. 2.4)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2102eV3	Introduction to the Operation of Agilent GC's with OpenLab CDS (Ver. 2.5)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2121e	Use OpenLab CDS Software to Setup a GC Method (Ver. 2.3)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2121eV2	Use OpenLab CDS Software to Setup a GC Method (Ver. 2.4)	e-Learning	Self-paced	100	\$124/\$161

Gas Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GC-OLII-2121eV3	Use OpenLab CDS to Setup a GC Method (Ver. 2.5)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2131e	Introduction to Data Analysis and Processing Single Samples with OpenLab CDS (Ver. 2.3)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2131eV2	Introduction to Data Analysis with OpenLab CDS (Ver. 2.4)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2131eV3	Basic GC Data Review Using OpenLab CDS Data Analysis (Ver.2.5)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2132e	Process Sequence Data in OpenLab CDS Data Analysis (Ver. 2.3)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2133e	Create a GC Processing Method in OpenLab CDS Data Analysis (Ver. 2.3)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2134e	Basic Integration of GC Data Using OpenLab CDS Data Analysis (Ver. 2.3)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2134eV2	Basic Integration of GC Data Using OpenLab CDS Data Analysis (Ver. 2.4)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2134eV3	Basic Integration of GC Data Using OpenLab CDS Data Analysis (Ver. 2.5)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2150sc	Agilent GC OpenLab CDS Quantification with Cloud Laboratory (Version 2.4)	e-Learning	Self-paced	400	\$480/\$624
GC-OLII-2150scV2	Agilent GC OpenLab CDS Quantification with Cloud Laboratory (Version 2.5)	e-Learning	Self-paced	400	\$480/\$624
GC-OLII-2151e	Process GC Quantitative Data Using OpenLab CDS (Ver. 2.3)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2151eV2	Process GC Quantitative Data Using OpenLab CDS (Ver. 2.4)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2151eV3	Process GC Quantitative Data Using OpenLab CDS (Ver. 2.5)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2171e	Edit Report Templates with OpenLab CDS (Ver. 2.3)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2171eV2	Edit Report Templates with OpenLab CDS (Ver. 2.4)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2171eV3	Generating Reports for GC Data in OpenLab CDS (Ver. 2.5)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2172e	Review and Process GC Data with OpenLab CDS (Ver. 2.3)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2172eV2	Review and Process GC Data with OpenLab CDS (Ver. 2.4)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2181e	Introduction to Sequences—A Way to Improve Throughput with OpenLab CDS (Ver. 2.3)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2181eV2	Introduction to Sequences—A Way to Improve Throughput with OpenLab CDS (Ver. 2.4)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2181eV3	Introduction to Sequences—A Way to Improve Throughput with OpenLab CDS (Ver. 2.5)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2182e	Advanced Sequence Concepts with OpenLab CDS (Ver. 2.3)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2182eV2	Advanced Sequence Concepts with OpenLab CDS (Ver. 2.4)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2182eV3	Advanced Sequence Concepts with OpenLab CDS (Ver. 2.5)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2183e	Basic Automation and GC Resource Conservation with OpenLab CDS (Ver 2.3)	e-Learning	Self-paced	100	\$124/\$161

Gas Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GC-OLII-2183eV2	Basic Automation and GC Resource Conservation with OpenLab CDS (Ver. 2.4)	e-Learning	Self-paced	100	\$124/\$161
GC-OLII-2183eV3	Basic Automation and GC Resource Conservation with OpenLab CDS (Ver. 2.5)	e-Learning	Self-paced	0	Free
GC-OLII-2190e	Use the Peak Explorer to Review GC Data in OpenLab CDS (Ver. 2.4)	e-Learning	Self-paced	0	Free
GC-OLII-2190eV2	Use the Peak Explorer to Review GC Data in OpenLab CDS (Ver. 2.5)	e-Learning	Self-paced	0	Free
GC-RTL-2101e	How to Use the RTL Wizard in OpenLab CDS (Ver. 2.2)	e-Learning	Self-paced	100	\$124/\$161
GC-RTL-2101eV2	Using the RTL Wizard with OpenLab CDS (Ver. 2.4)	e-Learning	Self-paced	0	Free
GC-RTL-2101eV3	Using the RTL Wizard with OpenLab CDS (Ver. 2.5)	e-Learning	Self-paced	0	Free
SI-7693-1100s	Agilent 7693A ALS Basic and Advanced Operation and Maintenance	e-Learning	Self-paced	300	\$372/\$483
SI-7696-1100s	Agilent 7696A Sample Prep WorkBench Operation	e-Learning	Self-paced	500	\$620/\$805
SI-7697-1220e	Agilent 7697A Headspace Sampler Pneumatics Overview	e-Learning	Self-paced	50	\$62/\$81
SI-7697A-2260r	How to Run the 7697A Headspace Sampler Restriction and Leak Tests	e-Learning	Self-paced	100	\$124/\$161
Virtual Instructor-Led Courses (Live e-Learning)					
GC-7890-2211v	Agilent 7890 GC Split/Splitless Inlet Maintenance	Virtual Instructor	110 minute	200	\$248/\$322
GC-7890-2251v	Agilent 7890 GC Flame Ionization Detector Maintenance and Troubleshooting	Virtual Instructor	110 minute	200	\$248/\$322

Liquid Chromatography Courses



Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
Classroom/Onsite Courses					
HPLC-0GEN-2000cV2	Techniques of HPLC This hands-on laboratory and lecture course is designed to increase the participants understanding and ability to apply the modern practices of High Performance Liquid Chromatography. The participant will learn how to select appropriate instrumentation and HPLC columns, optimize separations, and interpret and troubleshoot chromatograms. Participants will learn how theoretical considerations will help increase their ability to produce robust methods and solve analytical problems. HPLC practices and evaluation of system performance will help students increase their efficiency and data quality. The hands-on aspect of the course will allow a novice HPLC user to gain important practical operational experience with the HPLC.	Classroom	4 days	2,400	\$2,976/\$3,864
		Onsite			Request quote
HPLC-1200-2200c	Agilent 1100/1200 Series Troubleshooting and Maintenance This course covers maintenance and troubleshooting for the Agilent 1100/1200 series modules with a major focus on the maintenance and limited repair of these modules. This course is not for Infinity Series HPLCs.	Classroom	2 days	1,200	\$1,488/\$1,932
		Onsite			Request quote
HPLC-INF-2100cV3	Agilent Infinity LC Series OpenLab CDS ChemStation 3D for Operators Ensuring you are getting the most out of your HPLC system is a huge responsibility and paramount to your lab's success. Learn how to set up your instrument and methods for effective and efficient use. Trust that the data and calculations reported meet your requirements. Monitor your HPLC performance and perform maintenance activities. – Prepare your instrument for successful acquisition. – Create ChemStation methods that meet your analysis needs. – Automate sample analyses. – Identify and quantify sample components successfully. – Present results using predefined reports or create your own report style. – Demystify troubleshooting and perform routine maintenance to reduce downtime. – Practice newly acquired skills in multiple lab sessions.	Classroom	4 days	2,000	\$2,480/\$3,220
		Onsite			Request quote
HPLC-INF-2106c	Agilent Infinity Series HPLC (3D) EZChrom Operation This course is designed for those who want to enhance their skills in the techniques and software operation of the Agilent Infinity Series HPLC 3(D) with OpenLab EZChrom. The course utilizes a lecture format with instrument laboratories. Topics include creating qualitative and quantitative methods, sequencing, diode array optimization, OpenLab basic administration and hardware maintenance.	Onsite	3 days		Request quote

Liquid Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
HPLC-INF-2200cV4	Agilent Infinity I and II Series Troubleshooting and Maintenance This course is designed for those who want to learn how to optimally maintain their Agilent 1220, 1260 or 1290 Infinity Series I or II HPLC modules. The course utilizes a lecture format with instrument laboratories. Topics include diagnostic features and solvent delivery system, autosampler, thermostatted column compartment and UV-Vis detector maintenance. LabAdvisor ver B.02.10 and ChemStation version C.01.09 is used.	Classroom	2 days	1,200	\$1,488/\$1,932
		Onsite			Request quote
HPLC-INFII-2101cV4	Agilent Infinity Series HPLC with OpenLab Essential and Advanced Operation This 4-day course is designed for those operators who desire to learn both essential and advanced features to run samples and sequences, review data, set up methods that include calibration, and perform routine maintenance.	Classroom	4 days	2,200	\$2,728/\$3,542
		Onsite			Request quote
HPLC-OLCS-2105cV2	Agilent OpenLab CDS ChemStation Data Analysis and Reporting Are you familiar with the HPLC hardware, but you could use a structured introduction to the current version of the ChemStation software? Do you feel that there are many features that could help you in your daily work, if only you could apply them efficiently? This course takes you through the software portion of the course HPLC-INF-2100cV2.	Onsite	3 days		Request quote
Self-Paced e-Learning Courses					
HPLC-0GEN-1000s	Fundamentals of High Performance Liquid Chromatography Video Series	e-Learning	Self-paced	0	Free
HPLC-0GEN-1001r	Tech Talks: HPLC Chromatography Demonstration	e-Learning	Self-paced	0	Free
HPLC-0GEN-1001s	Laboratory Skills for HPLC Operators	e-Learning	Self-paced	300	\$373/\$483
HPLC-0GEN-1002r	Tech Talks: HPLC Separation Simplified	e-Learning	Self-paced	0	Free
HPLC-0GEN-1020e	HPLC Sample Preparation	e-Learning	Self-paced	0	Free
HPLC-0GEN-1021r	Handling HPLC Solvents	e-Learning	Self-paced	0	Free
HPLC-0GEN-1060r	Tech Talks: Understanding Internal and External Standards	e-Learning	Self-paced	0	Free
HPLC-0GEN-1071z	How To Properly Swage HPLC Fittings	e-Learning	Self-paced	0	Free
HPLC-0GEN-1203r	HPLC Fittings	e-Learning	Self-paced	0	Free
HPLC-0GEN-2030z	The Equation Behind Your HPLC Separation	e-Learning	Self-paced	0	Free
HPLC-0GEN-2040zs	HPLC Chromatographic Troubleshooting	e-Learning	Self-paced	0	Free
HPLC-0GEN-2070z	Fast Guards for UHPLC	e-Learning	Self-paced	0	Free
HPLC-0GEN-2090r	UHPLC Theory	e-Learning	Self-paced	0	Free
HPLC-0GEN-2201e	Chromatographic Troubleshooting for HPLC	e-Learning	Self-paced	100	\$124/\$161
HPLC-1260-1200e	HPLC Instruments Essentials	e-Learning	Self-paced	100	\$124/\$161

Liquid Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
HPLC-1260-1270e	Agilent 1260 Infinity LC with ChemStation System Leak Errors	e-Learning	Self-paced	0	Free
HPLC-1260-1271e	HPLC High Pressure Errors	e-Learning	Self-paced	0	Free
HPLC-1260-2230z	Changing Pump Seals in Agilent 1260 Binary, Quaternary and Isocratic Pumps	e-Learning	Self-paced	0	Free
HPLC-1260-2260z	Changing lamps in G1315x DADs and G1365x MWDs	e-Learning	Self-paced	0	Free
HPLC-1290-1230z	The Agilent 1290 Infinity Quaternary Pump	e-Learning	Self-paced	0	Free
HPLC-1290-2190r	1290 Infinity LC Systems—Method Transfer HPLC to UHPLC	e-Learning	Self-paced	0	Free
HPLC-1290-2201r	Agilent 1290 Infinity LC Systems—UHPLC Instrumentation	e-Learning	Self-paced	0	Free
HPLC-1290-2230z	Changing the High Pressure Filter Frit on an Agilent 1290 G4220x Pump	e-Learning	Self-paced	0	Free
HPLC-1290-2231z	Changing the Jet Weaver on an Agilent G4220x 1290 Pump	e-Learning	Self-paced	0	Free
HPLC-1290-2250z	Replacing the Cartridge Cell in an Agilent 1290 G4212X Diode Array Detector (DAD)	e-Learning	Self-paced	0	Free
HPLC-INF-2220z	HPLC-Replacing the Loop Capillary on an Agilent G4226X/G1367E Agilent HiP Autosampler	e-Learning	Self-paced	0	Free
HPLC-INF-2221z	Changing the Seal Wash Option Peristaltic Pump	e-Learning	Self-paced	0	Free
HPLC-INFII-1120r	Agilent OpenLab CDS ChemStation—Acquisition (C.01.07)	e-Learning	Self-paced	0	Free
HPLC-INFII-1120rV2	Agilent OpenLab CDS ChemStation—Acquisition (C.01.09 and C.01.10)	e-Learning	Self-paced	0	Free
HPLC-INFII-1121r	Agilent 1260 Infinity LC Systems—Online and Offline OpenLab CDS ChemStation Edition (C.01.07)	e-Learning	Self-paced	0	Free
HPLC-INFII-1121rV2	Agilent 1260 Infinity LC Systems—Online and Offline OpenLab CDS ChemStation Edition (C.01.09 and C.01.10)	e-Learning	Self-paced	0	Free
HPLC-OL-1140r	Agilent OpenLab CDS ChemStation—Integration	e-Learning	Self-paced	0	Free
HPLC-OL-1150r	Agilent OpenLab CDS ChemStation—Calibration	e-Learning	Self-paced	0	Free
HPLC-OL-1180r	Agilent OpenLab CDS ChemStation—Sequences	e-Learning	Self-paced	0	Free
HPLC-OL-1180rV2	Agilent OpenLab CDS ChemStation—Sequences (C.01.09 and C.01.10)	e-Learning	Self-paced	0	Free
HPLC-OLCS-2150sc	Agilent HPLC OpenLab CDS ChemStation Edition Quantification with Cloud Laboratory (Version C.01.07)	e-Learning	Self-paced	300	\$373/\$483
HPLC-OLII-1101e	Agilent OpenLab CDS Screen Navigation for Infinity LC systems	e-Learning	Self-paced	0	Free
HPLC-OLII-1121e	Agilent Infinity LC Systems with OpenLab CDS—Acquisition Method	e-Learning	Self-paced	100	\$124/\$161
HPLC-OLII-1122e	Agilent OpenLab CDS for HPLC—Instrument Status and Single Runs	e-Learning	Self-paced	0	Free

Liquid Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
HPLC-OLII-1130e	Agilent OpenLab CDS Data Analysis—Loading and Comparing Runs	e-Learning	Self-paced	0	Free
HPLC-OLII-1131e	Agilent OpenLab CDS Data Analysis—Processing Methods	e-Learning	Self-paced	0	Free
HPLC-OLII-1140e	Agilent Infinity LC systems with OpenLab CDS—Integration and viewing results	e-Learning	Self-paced	100	\$124/\$161
HPLC-OLII-1150e	Agilent Infinity LC systems with OpenLab CDS—Identification	e-Learning	Self-paced	0	Free
HPLC-OLII-1151e	Agilent OpenLab CDS—Quantification	e-Learning	Self-paced	0	Free
HPLC-OLII-1180e	Agilent Infinity LC systems with OpenLab CDS—Sequences	e-Learning	Self-paced	0	Free
Virtual Instructor-Led Courses (Live e-Learning)					
HPLC-INFII-2261v	Agilent Infinity LC Systems—Diagnostics	Virtual Instructor		250	\$310/\$403
HPLC-INFII-2271v	Agilent Infinity LC Series—Maintenance Tasks and Troubleshooting	Virtual Instructor		300	\$372/\$483

GC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
Classroom/Onsite Courses					
GCMS-0GEN-2000cV2	Techniques of GC/MS This course is designed to introduce the student to the techniques necessary to perform qualitative and quantitative analysis using single quadrupole, triple quadrupole, and Q-TOF GC/MS systems. This is a lecture-only course which emphasizes student participation through extensive class exercises focused on the total analysis of an unknown sample.	Onsite	3 days		Request quote
GCMS-0GEN-3060cV3	Interpretation of Electron Ionization Spectra When you need to identify a mass spectrum, do you just search a commercial library and hope for a match? What if you are trying to synthesize a compound and need to know if you've succeeded? Obtaining skills in mass spectral interpretation allows you to verify a library match or manually identify the compound. – Review fundamental chemistry concepts. – Understand the mass spectral interpretation procedure. – Describe the parameters required to obtain high-quality data in scan mode. – Explain and apply the most commonly employed tools used in identifying compounds based on their mass spectra. – Reinforce the concepts presented through problem solving. .	Onsite	3 days		Request quote
GCMS-0GEN-3063cV2	Introduction to Mass Spectral Interpretation I When you look at an EI spectrum, do you wonder why the molecule fragments the way it does and what the fragments can tell you about the structure of the starting compound? Performing mass spectral interpretation is similar to solving a puzzle. There are tools that can be employed to identify compounds based on their mass spectra. Once you learn how to employ these tools, you can use them to determine what compound is represented by the scan spectrum. – Review fundamental chemistry concepts – Understand the basic mass spectral interpretation procedure – Explore A, A+1, A+2, Nitrogen and Oxygen compounds – Reinforce the concepts presented through problem solving.	Onsite	1 day		Request quote
GCMS-0GEN-3064cV2	Introduction to Mass Spectral Interpretation II Put on your sleuthing hat and use the expertise you will gain in this course to identify compounds based on their EI mass spectra. Go beyond the basic interpretation skills gained in the entry level course and employ more advanced interpretation tools to solve the puzzle. – Understand fragmentation, structure, and stability concepts. – Describe alpha and inductive cleavage mechanisms. – Understand McLafferty rearrangements. – Reinforce the concepts presented through problem solving.	Onsite	1 day		Request quote

GC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GCMS-5975-2100c	Agilent 5973/5975 GC/MSD Operation with ChemStation Novice GC/MS course covering theory, GC/MS hardware, acquisition in SIM and SCAN mode, qualitative and quantitative analysis, library searching and routine system maintenance.	Classroom	5 days	3,000	\$3,720/\$4,830
		Onsite			Request quote
GCMS-5975-2200c	Agilent 5973/5975 GC/MSD Troubleshooting and Maintenance This course is designed for those who want to learn the routine troubleshooting and preventive maintenance procedures for the 5973 or 5975 GC/MSD.	Classroom	3 days	1,800	\$2,232/\$2,898
		Onsite			Request quote
GCMS-5975-2203c	Agilent 5973/5975 GC/MSD Troubleshooting and Maintenance This course is designed for the GC/MSD Operator who wants an introduction to troubleshooting and preventive maintenance of the most frequently occurring operational problems of the Agilent 5973 or 5975 Mass Selective Detector. The course will emphasize how to perform preventative maintenance to avoid these problems. This is a lecture-only course accompanied by a discussion of typical tunes, problem tunes, class exercises and summary of results.	Onsite	1 day		Request quote
GCMS-5975T-2100c	Agilent 5975 Transportable GC/MS Techniques and Operation This four day, hands-on 5975T training course will provide both the theory and operation of the Agilent 5975T GC/MS using the ChemStation. The instrumentation, tuning, data acquisition, data analysis, retention time locking, libraries, quantification, reporting DRS, sequencing and routine maintenance will be discussed.	Onsite	4 days		Request quote
GCMS-5977-2100cV5	Agilent 5977 GC/MS Techniques and Operation with MassHunter Data Analysis Ensuring that a GC/MS system is turning out accurate results is a huge responsibility. Maybe you are helping to save the environment or helping to save a life. Maybe you are solving a crime or simply responsible for getting the sample workload completed. In any of these scenarios, your job is very important and having the skills to fully utilize your GC/MS system is paramount to your success. – Understand mass spectrometry theory. – Know how to tune the mass spectrometer and interpret tune reports. – Apply GC, Scan, and SIM acquisition principles to develop an acquisition method. – Use MassHunter Qualitative and Quantitative Analysis to find compounds, calculate results, and generate reports. – Perform basic maintenance and troubleshooting for the Agilent 5977 GC/MSD system.	Classroom	4 days	2,400	\$2,976/\$3,864
		Onsite			Request quote
GCMS-5977-2103cV3	Agilent 5977 GC/MS Techniques and Operation with ChemStation Data Analysis This course is designed to teach users how to operate the Agilent 5975 or 5977 GC/MS with MassHunter Acquisition and ChemStation Data Analysis software. Topics include Scan and SIM acquisition and tuning using MassHunter Data Acquisition. ChemStation Data Analysis will be utilized for library searching, quantitative data analysis and reporting.	Classroom	4 days	2,400	\$2,876/\$3,864
		Onsite			Request quote

GC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GCMS-5977-2109cV4	Agilent 5977 GC/MS Techniques and Operation with OpenLab CDS A GC/MS system is an important tool in the analytical laboratory. Having the skills to fully utilize your GC/MS system contributes to the quality of your results and the efficiency of your laboratory. This 4-day, hands-on course will provide those skills. – Understand mass spectrometry theory. – Know how to tune the mass spectrometer and interpret tune reports. – Apply GC, Scan, and SIM acquisition principles to develop an acquisition method. – Use OpenLab CDS Data Analysis to find compounds, calculate results, and generate reports. – Perform basic maintenance and troubleshooting for the Agilent 5977 GC/MSD system.	Classroom	4 days	2,800	\$3,472/\$4,508
		Onsite			Request quote
GCMS-5977-2200cV3	Agilent 5977 GC/MS Maintenance and Troubleshooting Become a maintenance hero in your laboratory! When an instrument is out of service, workload disruptions occur. Having the knowledge and skills to identify the problem and possibly resolve it without a service call saves your laboratory time and money. Performing preventive maintenance correctly and on schedule reduces the risk for these unexpected disruptions. – Understand the recommended maintenance for all Agilent 5977 GC/MS system components. – Perform all recommended maintenance tasks in the laboratory exercises. – Describe the steps to logical troubleshooting. – Apply logical troubleshooting in laboratory.	Classroom	3 days	1,800	\$2,232/\$2,898
		Onsite			Request quote
GCMS-5977-2201cV3	Agilent 5977 GC/MS Maintenance and Troubleshooting Seminar When an instrument is out of service, workload disruptions occur. Having the knowledge and skills to identify the problem and possibly resolve it without a service call saves your laboratory time and money. Performing preventive maintenance correctly and on schedule reduces the risk for these unexpected disruptions. This course is a 1-day lecture only version of the popular Agilent 5977 Maintenance and Troubleshooting course. – Understand the recommended maintenance for all Agilent 5977 GC/MS system components. – Know where instrument manuals and maintenance videos are located. – Describe the steps to logical troubleshooting.	Onsite	1 day		Request quote
GCMS-7000-2100cV6	Agilent 7000/7010 Series Triple Quadrupole Techniques and Operation Owning an instrument that's capable of incredible sensitivity is most beneficial when you can utilize all its capabilities. A triple quadrupole GC/MS is an indispensable tool for your laboratory. Gain the expertise to confidently work with the Agilent 7000/7010 Triple Quadrupole GC/MS system. Optimize your MRM methods to fully utilize the sensitivity and selectivity of this instrument. – Understand mass spectrometry and triple quadrupole theory. – Know how to tune the mass spectrometer and interpret tune reports. – Use a hands-on approach to develop an optimized MRM acquisition method. – Use MassHunter Qualitative and Quantitative Analysis to find compounds, calculate results, and generate reports. – Perform basic maintenance and troubleshooting for the Agilent 7000/7010 Triple Quadrupole GC/MS system.	Classroom	4 days	3,200	\$3,968/\$5,152
		Onsite			Request quote

GC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GCMS-7000-2301c	Agilent Triple Quadrupole GC/MS Pesticide Analyzer Operation This 3 day, hands-on course will give analysts the experience to develop MRM methods and use the Pesticide Analyzer database the Agilent Triple Quadrupole GC/MS. The topics include a complete look at data acquisition and scan types, MassHunter Qualitative and Quantitative Analysis software packages, reporting and routine maintenance of the instrument.	Onsite	3 days		Request quote
GCMS-7200-2102cV2	Agilent 7200 Series GC/MS Q-TOF Techniques and Operation This course is designed for those who want to enhance their skills in technique and operation of the Agilent 7250 GC/Q-TOF. The topics include a complete look at Q-TOF theory, data acquisition, MassHunter Qualitative and Unknowns Analysis software packages and routine maintenance of the instrument. This course is taught using the following MassHunter software revisions: GC/MS Acquisition B.07.06; Qualitative Analysis B.08.00; Quantitative Analysis B.09.00.	Onsite	4 days		Request quote
GCMS-CS-2100c	GC/MSD ChemStation Data Analysis and Reporting This course is designed for those operators who want to enhance their skill in the use of the Agilent GC/MSD ChemStation. If you require instruction in tuning and data acquisition, please see GCMS-5975-2100c.	Onsite	3 days		Request quote
GCMS-MH-2101cV5	Agilent MassHunter Data Analysis and Reporting for GC/MS Are you an experienced GC/MS analyst who is new to Agilent MassHunter Data Analysis software? Are you struggling to find the right sequence of steps to accomplish what you want? Take the mystery out of MassHunter and discover the myriad tools available to streamline your work. — Use MassHunter Qualitative Analysis to find and identify compounds. — Explore the most common workflows when using MassHunter Quantitative Analysis. — Discover the powerful capabilities of Unknowns Analysis. — Practice what you learn via extensive laboratory exercises specific to your desired data type (SIM, Scan, or MRM).	Classroom	3 days	1,800	\$2,232/\$2,898
		Onsite			Request quote
Self-Paced e-Learning Courses					
GCMS-0GEN-1000s	Chemistry Review for GC/MS	e-Learning	Self-paced	100	\$124/\$161
GCMS-0GEN-2000r	Introduction to Gas Chromatography and Mass Spectrometry (GC/MS)	e-Learning	Self-paced	100	\$124/\$161
GCMS-0GEN-2030s	Triple Quadrupole GC/MS Principles	e-Learning	Self-paced	100	\$124/\$161
GCMS-0GEN-2060e	Foundation—Target Compound Analysis for Single Quadrupole GC/MS Systems	e-Learning	Self-paced	0	Free
GCMS-0GEN-2091e	Chemical Ionization Basic Theory	e-Learning	Self-paced	0	Free
GCMS-0GEN-2120e	Optimizing Your GC/MS Scan Acquisition Parameters	e-Learning	Self-paced	0	Free
GCMS-0GEN-2121e	Optimizing Your GC/MS Selected Ion Monitoring (SIM) Parameters	e-Learning	Self-paced	0	Free
GCMS-0GEN-2161e	Foundation—Target Compound Analysis for Triple Quadrupole GC/MS Systems	e-Learning	Self-paced	0	Free

GC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GCMS-5975-1001r	GC/MS Basics and Agilent 5975 Hardware Configuration	e-Learning	Self-paced	100	\$124/\$161
GCMS-5975-2030r	Agilent 5975 GC/MS with ChemStation Data Acquisition Theory	e-Learning	Self-paced	100	\$124/\$161
GCMS-5975-2100s	Agilent 5973/5975 GC/MSD Operation with ChemStation	e-Learning	Self-paced	800	\$992/1,288
GCMS-5975-2120r	Agilent 5975 with ChemStation GC/MS Tuning	e-Learning	Self-paced	100	\$124/\$161
GCMS-5975-2121r	Agilent 7890 5975 with ChemStation Data Acquisition Setup	e-Learning	Self-paced	100	\$124/\$161
GCMS-5975-2122r	Agilent 6890 5975 with ChemStation Data Acquisition Setup	e-Learning	Self-paced	100	\$124/\$161
GCMS-5975-2123r	Agilent 5975 GC/MS Backflushing and the Backflush Wizard	e-Learning	Self-paced	0	Free
GCMS-5975-2130r	Agilent 5975 GC/MS ChemStation Qualitative Data Analysis	e-Learning	Self-paced	100	\$124/\$161
GCMS-5975-2150r	Agilent 5975 GC/MS ChemStation Quantitative Data Analysis	e-Learning	Self-paced	100	\$124/\$161
GCMS-5975-2160r	Agilent GC/MS ChemStation Custom Reports and Databases	e-Learning	Self-paced	0	Free
GCMS-5975-2180r	Agilent 5975 GC/MS ChemStation Sequencing	e-Learning	Self-paced	0	Free
GCMS-5975-2200r	Agilent 7890/5975 GC/MS Maintenance Overview	e-Learning	Self-paced	100	\$124/\$161
GCMS-5975-3170r	Agilent GC/MS ChemStation Commands and Macros	e-Learning	Self-paced	100	\$124/\$161
GCMS-5977-1120r	Introduction to MS Tuning for the Agilent 5977 GC/MSD (Ver. B.07)	e-Learning	Self-paced	0	Free
GCMS-5977-1121r	MassHunter GC/MSD Acquisition: Data Acquisition Methods (Ver. B.07)	e-Learning	Self-paced	0	Free
GCMS-5977-1200sV2	GC/MS Single Quadrupole Instrument Essentials	e-Learning	Self-paced	100	\$124/\$161
GCMS-5977-1201e	Agilent 5977B GC/MSD System Hardware Review	e-Learning	Self-paced	0	Free
GCMS-5977-1270r	Agilent 5977B GC/MSD Diagnostics and Troubleshooting	e-Learning	Self-paced	0	Free
GCMS-5977-1280e	Daily Maintenance Tasks for the Agilent 5977B GC/MSD System	e-Learning	Self-paced	0	Free
GCMS-5977-2200zs	Agilent 5977 GC/MS with 7890 GC Column Installa	e-Learning	Self-paced	0	Free
GCMS-5977-2230zs	Agilent 5977B Foreline Pump Maintenance	e-Learning	Self-paced	0	Free
GCMS-5977-2231zs	Agilent IDP-3 Dry Scroll Pump Maintenance	e-Learning	Self-paced	0	Free
GCMS-5977-2232sz	Agilent 5977 Diffusion Pump Maintenance	e-Learning	Self-paced	0	Free
GCMS-5977-2233z	Agilent 5977 High Vacuum Pump Fan Replacement	e-Learning	Self-paced	0	Free
GCMS-5977-2240zs	Access the Agilent 5977 Analyzer	e-Learning	Self-paced	0	Free
GCMS-5977-2241zs	Agilent 5977 Miscellaneous CI Maintenance Tasks	e-Learning	Self-paced	0	Free

GC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GCMS-5977-2242zs	Agilent 5977 Refill Calibration Vial	e-Learning	Self-paced	0	Free
GCMS-5977-2250z	Agilent 5977 Multiplier Horn Replacement	e-Learning	Self-paced	0	Free
GCMS-5977-2261e	Using Diagnostic Tools to Detect Leaks in Your Agilent GC/MS SQ System	e-Learning	Self-paced	100	\$124/\$161
GCMS-5977-2271e	GC/MS: Identifying the Source of GC Mystery Peaks	e-Learning	Self-paced	100	\$124/\$161
GCMS-5977-2300eV2	Agilent 5975/5977 EnviroQuant—Communication and Software Configuration Overview	e-Learning	Self-paced	0	Free
GCMS-5977-2300s	Agilent 5977 GC/MS and MassHunter EnviroQuant Online Lecture Series (Acq B.07.05/Env Quant B.08)	e-Learning	Self-paced	200	\$248/\$322
GCMS-7000-1201r	Agilent 7000 Triple Quadrupole GC/MS System Overview	e-Learning	Self-paced	0	Free
GCMS-7000-1270r	Agilent 7000 Series Triple Quadrupole GC/MS Basic Troubleshooting	e-Learning	Self-paced	0	Free
GCMS-7000-1280e	Daily Maintenance Tasks for the Agilent 7000 Series Triple Quadrupole GC/MS	e-Learning	Self-paced	0	Free
GCMS-7000-2090r	How to Select Product Ions for Triple Quadrupole GC/MS Analyses	e-Learning	Self-paced	100	\$124/\$161
GCMS-7000-2090zs	Working with MassHunter Optimizer for GC Triple Quad (Version 10.0)	e-Learning	Self-paced	0	Free
GCMS-7000-2120r	Chemical Ionization on the Agilent 7000 GC/QQQ—Operating Tips	e-Learning	Self-paced	0	Free
GCMS-7000-2121r	Agilent 7000 Series Triple Quadrupole GC/MS System Tuning and Calibration (Ver. B.07)	e-Learning	Self-paced	0	Free
GCMS-7000-2122r	MassHunter Triple Quadrupole GC/MS Acquisition Method Parameters: MS1 Scan (Ver. B.07)	e-Learning	Self-paced	100	\$124/\$161
GCMS-7000-2123r	MassHunter Triple Quadrupole GC/MS Acquisition Method Parameters: Product Ion Scan and MRM (Ver. B.07)	e-Learning	Self-paced	0	Free
GCMS-7000-2200zs	Agilent 7000 GC/MS with 7890 GC Column Installation	e-Learning	Self-paced	0	Free
GCMS-7000-2201zs	Connecting the Agilent 7000 TQ GC/MS with Intuvo 9000 GC	e-Learning	Self-paced	0	Free
GCMS-7000-2240zs	Access the Agilent 7000/7010 Analyzer	e-Learning	Self-paced	0	Free
GCMS-7000-2241zs	Agilent 7000 Miscellaneous CI Maintenance Tasks	e-Learning	Self-paced	0	Free
GCMS-7000-2242zs	Agilent 7000 Refill Calibration Vial	e-Learning	Self-paced	0	Free
GCMS-7000-2250z	Agilent 7000 or 7010 Multiplier Horn Replacement	e-Learning	Self-paced	0	Free
GCMS-7000-2261e	Using Diagnostic Tools to Detect Leaks in Your Agilent GC/MS QQQ System	e-Learning	Self-paced	100	\$124/\$161
GCMS-7000-3300z	GC Triple Quadrupole use in Challenging Matrices for Detection of Compounds in EPA Methods 8270,8081 and 8082	e-Learning	Self-paced	0	Free
GCMS-7000-3301z	Getting the Best Performance from Your GCQQQ for the Analysis of Pesticides in Environmental Matrices	e-Learning	Self-paced	0	Free
GCMS-9000-2200z	MS Tail Replacement on Agilent Intuvo 9000 GC coupled with MS	e-Learning	Self-paced	0	Free

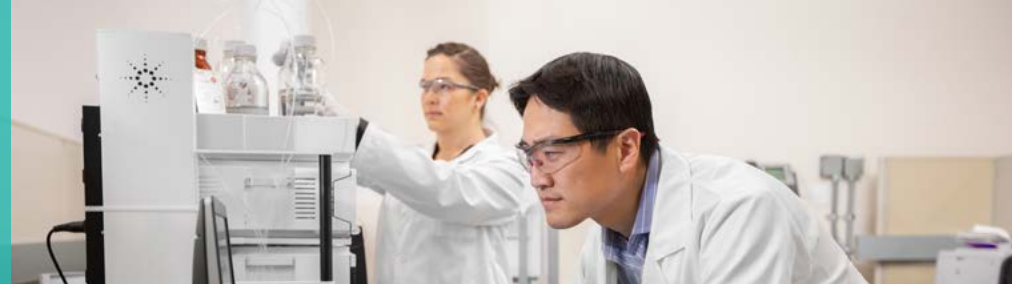
GC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GCMS-CI-2240zs	CI Source General Maintenance	e-Learning	Self-paced	0	Free
GCMS-EI-2240zs	EI Standard or Inert Source General Maintenance	e-Learning	Self-paced	0	Free
GCMS-HES-2240zs	HES Source General Maintenance	e-Learning	Self-paced	0	Free
GCMS-MH-1100zsV2	Agilent 5977B and MassHunter Software eFamiliarization (Acq B.07.05/Qual B.08/Quant B.09)	e-Learning	Self-paced	0	Free
GCMS-MH-1100zsV3	Agilent 5977B and MassHunter Software eFamiliarization (Acq B.07.05/B.07.06/or 10; Qual 10.0/Quant B.09 or 10)	e-Learning	Self-paced	0	Free
GCMS-MH-2120e	GC/MS MassHunter Sequencing and the Sequence Table Assistant	e-Learning	Self-paced	100	\$124/\$161
GCMS-MH-2121e	GC/MS MassHunter: Importing Simulating and Running a Sequence	e-Learning	Self-paced	100	\$124/\$161
GCMS-MH-2130s	Working with MassHunter Qualitative Analysis Revision B.08 for GC/MS Single Quadrupole Systems	e-Learning	Self-paced	200	\$248/\$322
GCMS-MH-2131s	Working with MassHunter Qualitative Analysis Revision B.08 for GC/MS Triple Quadrupole Systems	e-Learning	Self-paced	200	\$248/\$322
GCMS-MH-2150eV1	MassHunter Quantitative Analysis: Organizing Your SQ Quantification Data into Batches (Ver. B.07 or B.08)	e-Learning	Self-paced	0	Free
GCMS-MH-2150eV2	MassHunter Quantitative Analysis: Organizing Your SQ Quantification Data into Batches (Ver. B.09 or 10)	e-Learning	Self-paced	0	Free
GCMS-MH-2150sc	Agilent 5977 GC/MSD MassHunter Quantification with Cloud Laboratory (Quant B.08)	e-Learning	Self-paced	400	\$496/\$644
GCMS-MH-2150scV2	Agilent 5977 GC/MSD MassHunter Quantification with Cloud Laboratory (Quant B.09)	e-Learning	Self-paced	400	\$496/\$644
GCMS-MH-2151eV1	Building a GC/MS SQ MassHunter Quantitative Method (Ver. B.07 or B.08)	e-Learning	Self-paced	0	Free
GCMS-MH-2151eV2	Building a GC/MS SQ MassHunter Quantitative Method (Ver. B.09 or 10)	e-Learning	Self-paced	0	Free
GCMS-MH-2151sc	Agilent 7000 Triple Quadrupole GC/MS MassHunter Quantification with Cloud Laboratory (Quant B.08)	e-Learning	Self-paced	400	\$496/\$644
GCMS-MH-2151scV2	Agilent 7000 Triple Quadrupole GC/MS MassHunter Quantification with Cloud Laboratory (Quant B.09)	e-Learning	Self-paced	400	\$496/\$644
GCMS-MH-2152eV1	MassHunter Quantitative Analysis: Single Quadrupole Data Review Essentials (Ver. B.07 or B.08)	e-Learning	Self-paced	0	Free
GCMS-MH-2152eV2	MassHunter Quantitative Analysis: Single Quadrupole Data Review Essentials (Ver. B.09 or 10)	e-Learning	Self-paced	0	Free
GCMS-MH-2153eV1	MassHunter Quantitative Analysis: Using an Existing Calibration Curve on New SQ Samples (Ver. B.07 or B.08)	e-Learning	Self-paced	0	Free
GCMS-MH-2153eV2	MassHunter Quantitative Analysis: Using an Existing Calibration Curve on New SQ Samples (Ver. B.09 or 10)	e-Learning	Self-paced	0	Free
GCMS-MH-2154eV1	MassHunter Quantitative Analysis Reporting Using Single Quadrupole Data (Ver. B.07 or B.08)	e-Learning	Self-paced	0	Free
GCMS-MH-2154eV2	MassHunter Quantitative Analysis Reporting Using Single Quadrupole Data (Ver. B.09 or 10)	e-Learning	Self-paced	0	Free
GCMS-MH-2155eV1	MassHunter Quantitative Analysis: Organizing Your QQQ Quantification Data into Batches (Ver. B.08)	e-Learning	Self-paced	0	Free
GCMS-MH-2155eV2	MassHunter Quantitative Analysis: Organizing Your QQQ Quantification Data into Batches (Ver. B.09 or 10)	e-Learning	Self-paced	0	Free

GC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GCMS-MH-2156eV1	Building a MassHunter Quantitative Method using MRM Data (Ver. B.08)	e-Learning	Self-paced	0	Free
GCMS-MH-2156eV2	Building a MassHunter Quantitative Method using MRM Data (Ver. B.09 or 10)	e-Learning	Self-paced	0	Free
GCMS-MH-2157eV1	MassHunter Quantitative Analysis: QQQ Data Review Essentials (Ver. B.08)	e-Learning	Self-paced	0	Free
GCMS-MH-2157eV2	MassHunter Quantitative Analysis: QQQ Data Review Essentials (Ver. B.09 or 10)	e-Learning	Self-paced	0	Free
GCMS-MH-2158eV1	MassHunter Quantitative Analysis: Using an Existing Calibration Curve on New QQQ Samples (Ver. B.08)	e-Learning	Self-paced	0	Free
GCMS-MH-2158eV2	MassHunter Quantitative Analysis: Using an Existing Calibration Curve on New QQQ Samples (Ver. B.09 or 10)	e-Learning	Self-paced	0	Free
GCMS-MH-2159eV1	MassHunter Quantitative Analysis Reporting Using MRM Data (Ver. B.08)	e-Learning	Self-paced	0	Free
GCMS-MH-2159eV2	MassHunter Quantitative Analysis Reporting using MRM Data (Ver. B.09 or 10)	e-Learning	Self-paced	0	Free
GCMS-MH-3131r	Unknowns Analysis for GC/MS (Ver. B.07)	e-Learning	Self-paced	100	\$124/\$161
GCMS-OLII-2102e	OpenLab CDS Processing Method: General Overview for GC/MS (Version 2.5)	e-Learning	Self-paced	0	Free
GCMS-Xtr-2240zs	El Extractor Source General Maintenance	e-Learning	Self-paced	0	Free
SI-TD-1220z	Carrier Gas Flow Through TD-100E	e-Learning	Self-paced	0	Free
SI-TD-2110z	Tube and Sorbent Selection for Thermal Desorption	e-Learning	Self-paced	0	Free
SI-TD-2120z	Setting up Thermal Desorption Method Parameters	e-Learning	Self-paced	0	Free
Virtual Instructor-Led Courses (Live e-Learning)					
GCMS-5977-2122v	Selected Ion Monitoring Data Acquisition Principles for GC/MS	Virtual Instructor	60 minutes	100	\$124/\$161
GCMS-5977-2132v	MassHunter Qualitative Analysis for GC/MS—Basic Tasks (v. 10.0)	Virtual Instructor	135 minutes	250	\$310/\$403
GCMS-5977-2133v	MassHunter Qualitative Analysis for GC/MS—Discover and Identify Compounds (v 10.0)	Virtual Instructor	90 minutes	150	\$186/\$242

LC/MS Chromatography Courses



Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
Classroom/Onsite Courses					
LCMS-6100-2100cV2	Agilent 6100 Series SQ LC/MSD Techniques and Operation with OpenLab CDS ChemStation C.01.09 Do you need more hands-on experience operating and developing acquisition methods for your single quadrupole LC/MS applications? Do you want to improve your analytical workflow? Gain confidence in operating and troubleshooting your Agilent Single Quadrupole LC/MS instrument. Improve your productivity by automating data acquisition, data processing and reporting using the tools provided in OpenLab CDS Chemstation. — Execute a routine maintenance schedule to minimize instrument downtime. — Optimize your mass spectrometry settings and select appropriate source conditions for your application to acquire higher quality data. — Automate your data acquisition and data processing to increase your productivity. — Create data processing and reporting workflows tailored to your application.	Classroom	4 days	3,200	\$3,968/\$5,152
		Onsite			Request quote
LCMS-6100-2109cV5	Agilent LC/MSD Techniques and Operation with OpenLab CDS Do you need more hands-on experience operating and developing acquisition methods for your single quadrupole LC/MS applications? Do you want to improve your analytical workflow? Gain confidence in operating and troubleshooting your Agilent Single Quadrupole LC/MS instrument. Improve your productivity by automating data acquisition, data processing and reporting using the tools provided in OpenLab CDS. — Perform routine operations and maintenance with your LC/MS instrument. — Acquire, review and process your LC/MS data expertly. — Develop Scan and SIM methods to acquire MS data for your application. — Create processing methods for your Sample Purity, Qualitative and Quantitative applications. — Print and Customize reports	Classroom	4 days	3,200	\$3,968/\$5,152
		Onsite			Request quote

LC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
LCMS-6200-2100cV4	Agilent 6200 Series TOF LC/MS Techniques and Operation with MassHunter Have you recently become an operator of an Agilent LC/TOF system but are overwhelmed by its complexity? Do you need more experience on how to create acquisition and data processing methods for your small or large molecule projects? Produce the best quality high resolution accurate mass data from your Agilent LC/TOF by maintaining optimal performance of your MS. Extract the most information from your accurate mass data using the data processing power of MassHunter software. — Acquire high quality accurate mass data by tuning, calibrating, and optimizing your LC/ TOF for your application. — Execute a routine maintenance schedule to minimize instrument downtime. — Mine your accurate mass data for unknown and known compounds using specific workflows and feature finding algorithms. — Create and manage your own compound database and use it for screening and identification of compounds specific to your samples. — Readily set up quantification methods to quantify your target compounds using calibration curves and flag any out-of-range results, then generate a report for the analysis. — Create a quantification and confirmation data processing method using the all ion fragmentation (AIF) approach. — Obtain rapid results for your protein digests and characterize your intact proteins quickly using workflows specifically designed for these tasks.	Classroom	4 days	4,000	\$4,960/\$6,440
		Onsite			Request quote
LCMS-6400-2100cV5	Agilent 6400 Series QQQ LC/MS Techniques and Operation Do you need more hands-on experience operating and developing acquisition methods for your Triple Quadrupole LC/MS applications? Do you find Quantitative Analysis a challenge to set up? Gain confidence in operating and troubleshooting your Agilent Triple Quadrupole LC/MS instrument. Improve your productivity by automating data acquisition and data processing. — Optimize your mass spectrometry and source conditions for your application to acquire higher quality data. — Develop targeted MS/MS analysis methods improving the sensitivity of your application. — Automate your acquisition using worklists, incorporate data processing into the workflow increasing your productivity. — Create quantitative and reporting methods tailored to your application. — Execute a routine maintenance schedule to minimize instrument downtime.	Classroom	4 days	4,000	\$4,960/\$6,440
		Onsite			Request quote

LC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
LCMS-6500-2100cV4	Agilent 6500 Series Q-TOF LC/MS Techniques and Operation for Small Molecule Applications Have you recently become an operator of an Agilent LC/Q-TOF system but are overwhelmed by its complexity? Do you need more experience on how to create acquisition and data processing methods for your small molecule projects? Produce the best quality high resolution accurate mass data from your Agilent LC/Q-TOF by optimizing the MS conditions suitable for small molecules. Extract the most information from your accurate mass data using the data processing power of MassHunter software. – Acquire high quality accurate mass data by tuning, calibrating and optimizing your LC/Q-TOF for your small molecule applications. – Create acquisition methods for untargeted or targeted analysis, as per your application requirements. – Mine your accurate mass data for unknown and known compounds using specific feature finding algorithms. – Screen and identify found compounds using your personal compound data base library and flag data which is outside the specified match score. – Quantitate target compounds by generating calibration curves and flag data outside specified ranges. – Execute a routine maintenance schedule to minimize instrument downtime.	Classroom	4 days	4,000	\$4,960/\$6,440
		Onsite			Request quote
LCMS-6500-2102cV4	Agilent 6500 Series Q-TOF LC/MS Techniques and Operation for Large Molecules Have you recently become an operator of an Agilent LC/Q-TOF system but are overwhelmed by its complexity? Do you need more experience on how to create acquisition and data processing methods for your large biomolecule projects? Produce the best quality high resolution accurate mass data from your Agilent LC/Q-TOF by optimizing the MS conditions suitable for large biomolecules. Extract the most information from your accurate mass data using the data processing power of MassHunter software. – Acquire high quality accurate mass data by tuning, calibrating and optimizing your LC/Q-TOF for your large biomolecule applications. – Obtain rapid results for your protein digests and characterize your intact proteins quickly using workflows specifically designed for these tasks. – Mine your accurate mass data for unknown and known compounds using specific feature finding algorithms. – Create your own compound data base library and use it to screen for and identify the compounds in your samples. – Quantitate target compounds by generating calibration curves and flag data outside specified ranges. – Execute a routine maintenance schedule to minimize instrument downtime.	Classroom	4 days	4,000	\$4,960/\$6,440
		Onsite			Request quote

LC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
LCMS-ULTV-2100cV2	Agilent Ultivo LC/TQ Techniques and Operation with MassHunter Do you need more hands-on experience operating and building acquisition methods for your Agilent Ultivo LC/Triple Quadrupole applications? Do you find quantitative analysis a challenge to set up? Gain confidence in operating and troubleshooting your Agilent Ultivo LC/TQ system. Improve your productivity by automating data acquisition and data processing. — Optimize your mass spectrometry and source conditions for your application to acquire higher quality data. — Build the acquisition method and select the data processing applicable to your type of analysis. — Automate your acquisition using worklists, incorporate data processing into the workflow increasing your productivity. — Create quantitative and reporting methods tailored to your application. — Execute a routine maintenance schedule to minimize instrument downtime.	Classroom	4 days	4,000	\$4,960/\$6,440
		Onsite			Request quote
Self-Paced e-Learning Courses					
LCMS-0GEN-1000s	Fundamental Principles of Liquid Chromatography with Mass Spectrometry	e-Learning	Self-paced	100	\$124/\$161
LCMS-0GEN-2090r	Principles of Method Development for LC/MS	e-Learning	Self-paced	100	\$124/\$161
LCMS-0GEN-3060s	Analysis of Calibration Curve Models for LC/MS/MS	e-Learning	Self-paced	100	\$124/\$161
LCMS-6100-1101r	Routine Tuning and Calibration of Agilent 6100 Series LC/MS SQ Using OpenLab 2.1	e-Learning	Self-paced	100	\$124/\$161
LCMS-6100-1102r	Data Acquisition Modes for Agilent SQ LC/MS in OpenLab 2.1	e-Learning	Self-paced	0	Free
LCMS-6100-1120z	InfinityLab LC/MSD Data Acquisition and Analysis	e-Learning	Self-paced	0	Free
LCMS-6400-1120s	Tune and Calibrate Agilent 6400 Series Triple Quadrupole LC/MS with MassHunter Acquisition (Ver. B.08)	e-Learning	Self-paced	100	\$124/\$161
LCMS-6400-1120sV2	Tune and Calibrate Agilent 6400 Series Triple Quadrupole LC/MS with MassHunter Acquisition (Ver. 10.0)	e-Learning	Self-paced	100	\$124/\$161
LCMS-6400-2150r	Agilent 6400 Series MassHunter Quantitation—How to Build a MassHunter Quantitation Method (Ver. B06/B.07/B.08)	e-Learning	Self-paced	0	Free
LCMS-6400-2151r	Agilent 6400 Series MassHunter Quantitation—Refining Your MassHunter Quantitation Method (Ver. B.06/B.07/B.08)	e-Learning	Self-paced	0	Free
LCMS-6400-1120z	Agilent 6400 Series Triple Quadrupole LC/MS eFamiliarization	e-Learning	Self-paced	0	Free
LCMS-6400-1121r	How to Build a Generic Acquisition Method for Agilent 6400 Series Triple Quadrupole LC/MS (Ver. B.08)	e-Learning	Self-paced	100	\$124/\$161
LCMS-6400-1121rV2	How to Build a Generic Acquisition Method for Agilent 6400 Series QQQ LC/MS (Ver. 10.0)	e-Learning	Self-paced	100	\$124/\$161
LCMS-6400-1201s	Essential Housekeeping Tasks and Best Practices for Agilent 6400 Series LC/TQ	e-Learning	Self-paced	0	Free

LC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
LCMS-6400-2121r	MRM Acquisition for Agilent 6400 Series LC/MS QQQ Part I of III (Ver. B.08)	e-Learning	Self-paced	100	\$124/\$161
LCMS-6400-2122r	Dynamic MRM Acquisition for Agilent 6400 Series LC/MS QQQ Part II of III (Ver. B.08)	e-Learning	Self-paced	100	\$124/\$161
LCMS-6400-2123r	Triggered MRM Acquisition for Agilent 6400 Series LC/MS QQQ Part III of III (Ver. B.08)	e-Learning	Self-paced	100	\$124/\$161
LCMS-6400-2130r	Analysis of QQQ LC/MS Data Using MassHunter Qualitative Analysis B.07.02	e-Learning	Self-paced	0	Free
LCMS-6400-3120s	Manually Optimizing LC/MS/MS Acquisition Methods with MassHunter	e-Learning	Self-paced	0	Free
LCMS-6500-2130s	Analysis of QTOF LC/MS Data Using MassHunter Qualitative Analysis B.07.02	e-Learning	Self-paced	200	\$248/\$322
LCMS-6500-2136s	Data Preparation for High Resolution LC/MS with MassHunter Profinder	e-Learning	Self-paced	200	\$248/\$322
LCMS-BC-1130z	MassHunter BioConfirm eFamiliarization	e-Learning	Self-paced	0	Free
LCMS-BC-1131z	MassHunter BioConfirm Training Videos	e-Learning	Self-paced	0	Free
LCMS-MH-1130z	MassHunter Qualitative Analysis eFamiliarization for Unit Mass LC/MS Data	e-Learning	Self-paced	0	Free
LCMS-MH-1131z	MassHunter Qualitative Analysis for Accurate Mass LC/MS Data	e-Learning	Self-paced	0	Free
LCMS-MH-1140zV1	MassHunter Quantitative Analysis eFamiliarization (Ver. B.08)	e-Learning	Self-paced	0	Free
LCMS-MH-1140zV2	MassHunter Quantitative Analysis eFamiliarization (Ver. B.09)	e-Learning	Self-paced	0	Free
LCMS-MH-2150sc	Agilent 6400 Series Triple Quadrupole LC/MS MassHunter Quantification with Cloud Laboratory (Quant B.08)	e-Learning	Self-paced	300	\$372/\$483
LCMS-MH-2150scV2	Agilent 6400 Series Triple Quadrupole LC/MS MassHunter Quantification with Cloud Laboratory (Quant B.09)	e-Learning	Self-paced	300	\$372/\$483
LCMS-MH-2150scV3	Agilent 6400 Series Triple Quadrupole LC/MS MassHunter Quantification with Cloud Laboratory (Quant 10.1)	e-Learning	Self-paced	300	\$372/\$483
LCMS-MH-2151sc	Agilent Ultivo Triple Quadrupole LC/MS MassHunter Quantification with Cloud Laboratory (Quant B.09)	e-Learning	Self-paced	300	\$372/\$483
LCMS-MH-2151scV2	Agilent Ultivo Triple Quadrupole LC/MS MassHunter Quantification with Cloud Laboratory (Quant 10.1)	e-Learning	Self-paced	300	\$372/\$483
LCMS-MH-3130r	Agilent LC/TOF and LC/Q-TOF Compound Identification and Quantification Using All Ions MS/MS Workflow	e-Learning	Self-paced	100	\$124/\$161
LCMS-MULTI-1120z	MassHunter Data Acquisition eFamiliarization for Agilent TOF/QTOF LC/MS Systems	e-Learning	Self-paced	0	Free
LCMS-MULTI-1200zV1	Agilent 6000 Series LC/MS and InfinityLab LC/MSD Series Hardware eFamiliarization	e-Learning	Self-paced	0	Free
LCMS-MULTI-2270s	Troubleshooting Series for Agilent LC/MS Instruments	e-Learning	Self-paced	100	\$124/\$161
LCMS-OLII-2150sc	Agilent LC/MSD OpenLab CDS MS Sample Purity Determination with Cloud Laboratory (Version 2.5)	e-Learning	Self-paced	300	\$372/\$483
LCMS-OLIII-2101r	OpenLab 2.1 Application Workflows for Agilent 6100 Series SQ LC/MS	e-Learning	Self-paced	0	Free

LC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
LCMS-ULTV-1120s	Tune and Calibrate Agilent Ultivo LC/TQ with MassHunter Acquisition (Ver. 1.1)	e-Learning	Self-paced	100	\$124/\$161
LCMS-ULTV-1120z	MassHunter Data Acquisition for Ultivo LC Triple Quadrupole eFamiliarization	e-Learning	Self-paced	0	Free
LCMS-ULTV-1200s	Essential Housekeeping Tasks and Best Practices for Agilent Ultivo LC/TQ	e-Learning	Self-paced	100	\$124/\$161
LCMS-ULTV-2100b	Agilent Ultivo LC/TQ Techniques and Operation with MassHunter	e-Learning	Self-paced	4,000	\$4,960/\$6,440
Virtual Instructor-Led Courses (Live e-Learning)					
LCMS-6400-2100b	Agilent 6400 Series TQ LC/MS Techniques and Operation	e-Learning	4 weeks	4,000	\$4,960/\$6,440
LCMS-6400-2121v	Agilent 6400 Series QQQ LC/MS—Optimizer and Source Optimizer Tools	e-Learning	Self-paced	200	\$248/\$322
LCMS-6400-2131v	Agilent 6400 Series QQQ LC/MS—Data Analysis Automation	e-Learning	Self-paced	150	\$186/\$242
LCMS-6400-2274v	Agilent 6400 Series QQQ LC/MS—Mass Spectrometer Troubleshooting	e-Learning	Self-paced	150	\$186/\$242
LCMS-6500-2122v	Agilent 6500 Series Q-TOF LC/MS—Calibration and Tuning	e-Learning	Self-paced	200	\$248/\$322
LCMS-6500-2201v	Agilent 6500 Series Q-TOF LC/MS—Routine Maintenance	e-Learning	Self-paced	250	\$310/\$403
LCMS-6500-2100b	Agilent 6500 Series Q-TOF LC/MS Techniques and Operation for Small Molecule	e-Learning	4 weeks	4,000	\$4,960/\$6,440

Spectroscopy Courses



Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
Classroom/Onsite Courses					
AA-FLM-2000cV2	Techniques of Flame AA Spectroscopy This is an introductory course for the AA novice, as well as those who want to learn basic principles and gain a more thorough understanding of current flame AA technology. Learn about the AA productivity tools available. Discover ways of troubleshooting and maintaining your equipment for greater uptime. Learn to overcome interferences and optimize your methods for improved accuracy and precision.	Classroom	3 days	1,500	\$1,860/\$2,415
		Onsite			Request quote
AA-FLM-2200cV2	Flame AA Maintenance and Troubleshooting This 1-day introductory course is intended for the AA novice and those that want to learn basic maintenance and troubleshooting techniques for the Flame AA. A basic knowledge of Flame AA theory and SpectrAA software is advantageous, but not critical. Students will learn how to disassemble the sample introduction system, optimize the lamps and Burner head, and learn how to troubleshoot and resolve the most common issues.	Onsite	1 day		Request quote
AA-FURN-2000c	Techniques of Furnace AA Spectroscopy This course is for those who want to learn basic principles of graphite furnace AA and gain a more thorough understanding of current graphite furnace AA technology. Become skilled at maintaining your furnace for maximum productivity. Also learn to overcome sample matrix problems and find the most efficient ways to develop methods that deliver accurate results.	Onsite	3 days		Request quote
ICPMS-7700-2100c	7700 Series ICP-MS Techniques and Operation The course is designed as a beginner to intermediate level training for Agilent customers and is aimed at providing a comprehensive overview of the Agilent 7700 Series ICP-MS technique and Agilent's MassHunter software. Some advanced topics (e.g., laser ablation, direct organic solvent sampling and chromatography sample introduction) are introduced, but not covered in depth.	Onsite	4 days		Request quote

Spectroscopy Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
ICPMS-7900-2100cV3	Agilent 7800/7900 ICP-MS Techniques and Operation Are you a 7800 or 7900 ICP-MS user that wants to analyze with confidence and reduce reruns? Would you like to learn how to tune your ICP-MS like a Pro? Want to discover better data review practices? This classroom and hands-on course will provide the tools you need to produce great MassHunter Batches that generate awesome data and reduce re-analyses. – Make MassHunter work for you. – Understand spectral interferences management with the Octopole Reaction System – Unlock secrets on Tuning your instrument. – Learn all about QC setup and execution. – Glide through data review. – Demystify maintenance and reduce downtime.	Classroom	4 days	3,200	\$3,968/\$5,152
		Onsite			Request quote
ICPMS-8800-2100c	Agilent 8800 Series ICP-MS Techniques and Operation The course is designed as a beginner to intermediate level class for Agilent customers and is aimed at providing a comprehensive overview of the Agilent 8800 Series ICP Triple Quad and Agilent's MassHunter software. Some advanced topics such as, laser ablation, direct organic solvent sampling and chromatography sample introduction are introduced.	Onsite	4 days		Request quote
ICPMS-8900-2100c	Agilent 8900 ICP-MS Techniques and Operation The course offers a comprehensive overview of the Agilent 8900 Triple Quad ICP-MS and Agilent MassHunter software.	Classroom	4 days	3,200	\$3,968/\$5,152
		Onsite			Request quote
ICPOES-5100-2000cV4	Agilent 5100 Techniques for Simultaneous ICP-OES Are you overwhelmed with ICP-OES analysis results? Do you often have to rerun samples because of questionable data and Quality Control? Would you like to have more confidence on recognizing interferences, and discover techniques that avoid and reduce interferences? This classroom and hands-on course will provide the tools you need to develop great ICP Expert Worksheets that generate awesome data and reduce re-analyses. – Discover the details of ICP-OES Instrumentation – Become an ICP Expert Pro – Learn the secrets of Axial, Radial, and SVDV plasma viewing – Recognize and eliminate the 6 most common types of ICP-OES interferences – Analyze and review your data with confidence – Take the mystery out of maintenance and decrease downtime	Classroom	3 days	1,800	\$2,232/\$2,898
		Onsite			Request quote

Spectroscopy Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
ICPOES-5800-2000c	Agilent 5800/5900 Techniques for Simultaneous ICP-OES Do you want to gain more confidence in analysis results? The learning goals of this course are focused on basic sample handling, method creation and optimization, overcoming interferences for better accuracy and precision, and tips to reduce analysis time. Routine troubleshooting and maintenance are also covered, along with resources that can be used to ensure optimum performance of your Agilent 5100, 5110, 5800 or 5900 ICP-OES system using ICP Expert 7.5 software. — Build ICP Expert worksheets like a Pro. — Understand ICP-OES instrument components from sample introduction to the detector. — Discover how to use IntelliQuant Screening and Analysis to quickly provide estimated concentrations and possible interferences in unknown matrices. — Demystify Maintenance and Troubleshooting — Gain details on how to use Background and Spectral interference correction techniques to produce quality data and reduce sample reruns.	Classroom	3 days	1,800	\$2,232/\$2,898
		Onsite			Request quote
ICPOES-700ES-2000c	Agilent 700ES Techniques of Simultaneous ICP-OES This course covers the basic principles of Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES), focusing on operation and optimization of the Agilent 700-ES series ICP-OES. The learning goals are focused on automating the system to reduce analysis time as well as exploring techniques for sample handling and overcoming interferences for better data accuracy and precision.	Onsite	3 days		Request quote
MPAES-0GEN-2000cV2	Techniques of Microwave Plasma-Atomic Emission Spectroscopy This is an introductory course for the MP-AES novice, as well as those who want to learn basic principles and gain a more thorough understanding of MP-AES technology. Learn about the automated MP-AES method development tools such as torch and nebulizer optimization, along with novel background correction techniques to overcome interferences. Discover ways of troubleshooting and maintaining your instrument for optimum performance. Gain new insight in to the novel Microwave Plasma world with 11 exciting hands on laboratory exercises.	Onsite	3 days		Request quote
UVVIS-0GEN-2200c	Agilent UV-Vis Spectrophotometers: Basic Operation, Maintenance, and Troubleshooting This 1-day introductory course is intended for the UV-Vis novice and those that want to learn basic maintenance and troubleshooting techniques for the Agilent UV-Vis instruments. No previous knowledge is required. At completion of the course, students will learn how the UV-Vis instruments work, and be able to install, validate, and troubleshoot any basic system.	Onsite	1 day		Request quote
Self-Paced e-Learning Courses					
ICPMS-0GEN-1010e	Agilent ICP-MS with MassHunter: An Introduction to ICP-MS	e-Learning	Self-paced	0	Free
ICPMS-0GEN-1020e	Agilent 7800/7900/8900 ICP-MS with MassHunter: ICP-MS Hazards and Safety Practices	e-Learning	Self-paced	0	Free
ICPMS-0GEN-1021e	Agilent ICP-MS with MassHunter: Daily Acquisition Tasks	e-Learning	Self-paced	0	Free

Spectroscopy Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
ICPMS-0GEN-1030e	Agilent ICP-MS with MassHunter: Analysis Considerations	e-Learning	Self-paced	0	Free
ICPMS-0GEN-2180e	Agilent ICP-MS with MassHunter: An Introduction to Batches	e-Learning	Self-paced	0	Free
ICPMS-0GEN-2200e	Agilent ICP-MS with MassHunter: System Maintenance	e-Learning	Self-paced	0	Free
ICPMS-0GEN-2201e	Agilent ICP-MS with MassHunter: Troubleshooting Sensitivity and Startup Issues	e-Learning	Self-paced	0	Free
ICPMS-0GEN-2202e	Agilent ICP-MS with MassHunter: Troubleshooting Vacuum and Plasma Ignition Issues	e-Learning	Self-paced	0	Free
ICPMS-7900-1000e	Agilent 7800/7900 ICP-MS with MassHunter: System Overview	e-Learning	Self-paced	0	Free
ICPMS-7900-1020e	7800/7900 Agilent ICP-MS with MassHunter: ICP-MS MassHunter Startup Tasks	e-Learning	Self-paced	0	Free
ICPMS-7900-1120e	Agilent 7800/7900 ICP-MS with MassHunter: Tuning	e-Learning	Self-paced	0	Free
ICPMS-7900-1130e	Agilent 7800/7900 ICP-MS with MassHunter: Data Analysis	e-Learning	Self-paced	0	Free
ICPMS-7900-2121e	Agilent 7800/7900 ICP-MS with MassHunter: Interference Management	e-Learning	Self-paced	0	Free
ICPMS-7900-2181e	Agilent 7800/7900 ICP-MS with MassHunter: Batch Details	e-Learning	Self-paced	0	Free
ICPMS-7900-2200e	Agilent ICP-MS with MassHunter: System Maintenance	e-Learning	Self-paced	0	Free
ICPMS-8900-1000e	Agilent 8900 Triple Quadrupole ICP-MS with MassHunter: System Overview	e-Learning	Self-paced	0	Free
ICPMS-8900-1020e	Agilent 8900 Triple Quadrupole ICP-MS with MassHunter: Startup Tasks	e-Learning	Self-paced	0	Free
ICPMS-8900-1120e	Agilent 8900 Triple Quadrupole ICP-MS with MassHunter: Introduction to Tuning	e-Learning	Self-paced	0	Free
ICPMS-8900-1121e	Agilent 8900 Triple Quadrupole ICP-MS with MassHunter: Tune Features	e-Learning	Self-paced	0	Free
ICPMS-8900-2121e	Agilent 8900 ICP-MS with MassHunter: Interferences Management	e-Learning	Self-paced	0	Free
ICPMS-MH-1100e	Agilent ICP-MS with MassHunter: An Introduction to ICP-MS MassHunter Workstation	e-Learning	Self-paced	0	Free
ICPOES-0GEN-1000e	Agilent 5110 ICP-OES Essentials: Introduction to Atomic Spectroscopy	e-Learning	Self-paced	0	Free
ICPOES-0GEN-1010e	Agilent 5110 ICP-OES Essentials: Introduction to ICP-OES	e-Learning	Self-paced	0	Free
ICPOES-0GEN-1020e	Agilent 5110 ICP-OES Essentials: ICP-OES Hazards and Safety Practices	e-Learning	Self-paced	0	Free
ICPOES-5110-1120e	Agilent 5110 ICP-OES Daily Acquisition Tasks	e-Learning	Self-paced	0	Free
ICPOES-5110-1200e	Agilent 5110 ICP-OES Instrumentation Overview	e-Learning	Self-paced	0	Free
ICPOES-5110-1270e	Agilent 5110 ICP-OES Maintenance and Troubleshooting	e-Learning	Self-paced	0	Free
ICPOES-5110-2121e	Agilent 5110 ICP-OES Common Interferences and Correction Choices	e-Learning	Self-paced	0	Free

Spectroscopy Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
ICPOES-5900-1200e	Agilent 5800/5900 ICP-OES with ICP Expert: Instrumentation Overview	e-Learning	Self-paced	0	Free
ICPOES-EX-1100e	Agilent 5110 ICP Expert Software Part I	e-Learning	Self-paced	0	Free
ICPOES-EX-1101e	Agilent 5110 ICP Expert Software Part II	e-Learning	Self-paced	0	Free
ICPOES-EX-1130e	Agilent 5000 Series ICP-OES: Introduction to ICP Expert Software (Ver. 7.5)	e-Learning	Self-paced	0	Free
ICPOES-Expert-2100sc	Agilent 5100/5110 ICP-OES with ICP Expert Acquisition and Quantification with Cloud Lab	e-Learning	Self-paced	200	\$248/\$322
ICPOES-MULTI-1120e	Agilent ICP-OES with ICP Expert: Daily Checks for Optimal Performance	e-Learning	Self-paced	0	Free
UVVIS-0GEN-1080z	Agilent Cary UV-VIS—Choosing Cuvettes and Solvents	e-Learning	Self-paced	0	Free
UVVIS-3500-1200z	Agilent Cary 3500 UV-Vis Hardware Overview	e-Learning	Self-paced	0	Free
UVVIS-3500-1201z	Agilent Cary 3500 UV-Vis Hardware Components Installation Guide	e-Learning	Self-paced	0	Free
UVVIS-3500-2190z	Agilent Cary 3500 UV-Vis—Temperature Probes Installation and Care	e-Learning	Self-paced	0	Free
UVVIS-3500-2200z	Agilent Cary 3500 UV-Vis System Maintenance	e-Learning	Self-paced	0	Free
UVVIS-3500-2260z	Agilent Cary 3500 UV-Vis—Changing the Engine Lamp Assembly	e-Learning	Self-paced	0	Free
UVVIS-MULTI-1100s	Basics of UV-Visible Spectroscopy	e-Learning	Self-paced	0	Free
UVVIS-UVW-1100z	Agilent Cary UV Workstation Software Overview	e-Learning	Self-paced	100	\$124/\$161
UVVIS-UVW-1120z	Agilent Cary UV Workstation—Create and Run a Method	e-Learning	Self-paced	0	Free
UVVIS-UVW-1130z	Agilent Cary UV Workstation—Analyze the Data	e-Learning	Self-paced	0	Free
UVVIS-UVW-1260z	Agilent Cary UV Workstation—System Validation Tests	e-Learning	Self-paced	0	Free
UVVIS-UVW-2120z	Agilent Cary UV Workstation—Advanced Methods Setup	e-Learning	Self-paced	0	Free
UVVIS-UVW-2130z	Agilent Cary UV Workstation—Advanced Data Analysis	e-Learning	Self-paced	0	Free
UVVIS-UVW-2270z	Agilent Cary 3500 UV-Vis—Troubleshooting Guide	e-Learning	Self-paced	0	Free
Virtual Instructor-Led Courses (Live e-Learning)					
ICPMS-0GEN-1001v	Fundamentals of ICP-MS	Virtual Instructor	150 minutes	250	\$310/\$403
ICPMS-7900-2271v	Agilent 7800/7900 ICP-MS Maintenance and Troubleshooting	Virtual Instructor	130 minutes	250	\$310/\$403

Software and Informatics Courses



Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
Classroom/Onsite Courses					
SI-7697A-2100cV4	Agilent 7697A Headspace Operation Are you curious about how the Agilent 7697A Headspace Sampler operates, what you need to do to keep it running efficiently, or how it works with and without the optional control software? Improve your efficiency with Agilent's 7697A Headspace Sampler. Use method development tools to test and optimize parameters and practice performing maintenance, so you can operate your system at its best. – Discuss theory and operation of the Agilent 7697A Headspace Sampler. – Construct a new method to acquire data, using the instrument keypad and the add-on control software integrated with OpenLab CDS ChemStation Edition. – Optimize the acquisition method using a targeted approach. – Locate components that require maintenance to keep your system running optimally and practice replacing them in the hands-on lab.	Onsite	2 days		Request quote
SW-MPP-3101c	Agilent Mass Profiler Professional Operation for Chemometric Analysis (15.0) Are you an analyst responsible for the differential analysis of chemometric data? Have you recently become a user of the Agilent Mass Profiler Professional but are overwhelmed by its complexity? Gain insights and hands-on experience on how best to prepare, process and statistical analyze your chemometric data using Agilent Mass Profiler Professional software. – Develop experimental strategies to ensure the collection of good quality chemometric data suitable for multivariate statistical analysis and robust class predication models. – Assess the quality of your LC/MS and GC/MS data expertly and process the data efficiently using MassHunter Profinder. – Evaluate your data set and determine the most appropriate normalization and baseline settings for your statistical analysis in Mass Profiler Professional. – Set up your parameters and conditions with confidence then interrogate your chemometric data using the appropriate statistical test. – Uncover relationships in your chemometric data by executing a variety of correlational and clustering analyses in Mass Profiler Professional. – Create your own class prediction model in Mass Profiler Professional and use it to classify your unknown samples using the Classifier tool	Classroom	4 days	4,000	\$4,960/\$6,440
		Onsite			Request quote
SW-OL-2110c	OpenLab ChemStation Update Workshop from B to C ChemStation This one day seminar will provide update training specific for users that are well-versed in using ChemStation version B who need to learn the differences that will be encountered when moving to version C. Lab exercises on laptops are included.	Onsite	1 day		Request quote

Software and Informatics Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
SW-OL-3170c	Agilent OpenLab CDS Intelligent Reporting Workshop This one day seminar will provide skills in utilizing the new Intelligent OpenLab report writer. Topics progress from using the Report Wizard and basic template layouts to complex calculations. Lab exercises on laptops are included.	Onsite	1 day		Request quote
SW-OLII-1100cV6	OpenLab CDS Operations for Workstation Have you purchased a new instrument or recently upgraded your OpenLab CDS Workstation system? Do you want to learn all of the new features and capabilities? Explore OpenLab CDS by walking through typical workflows. Identify the features that will apply to your lab and its needs. Practice using each of the features to make the most of your software. – Explore the Control Panel, Acquisition, and Data Analysis user interfaces. – Setup methods. – Create single injections and sequences. – Optimize integration parameters and create calibration tables. – Create reports manually or automatically. – Familiarize yourself with all of the Activity Logs and Audit Trails.	Onsite	2 days		Request quote
SW-OLII-1800cV6	OpenLab CDS Control Panel Administration Have you purchased a new instrument or recently upgraded to OpenLab CDS? Do you want to make sure your system is configured properly for your lab, with the appropriate privileges and audit trails to ensure you are in compliance with your SOPs? Walk through the system setup process step-by-step. Identify the features that will apply to your lab and workflows. Customize the software to make the most of all the built-in features for security, audit trails, and lab management. – Create users, groups, and roles, with tailored privileges. – Restrict privileges to projects and instruments. – Discover all of your audit trails and activity logs throughout the OpenLab CDS system, including Control Panel, Acquisition, and Data Analysis	Onsite	1 days		Request quote
SW-OLII-3170c	OpenLab 2 CDS Custom Reporting and Custom Calculations Are you tired of transferring your analysis data to other programs such as Excel for calculations and formatting. Do the standard reporting layouts lack information you need for your laboratory? Cut your data analysis workload by designing and creating custom reports that will execute automatically and save you time. Perform complex calculations and flag outliers without moving your data from OpenLab CDS software. – Display chromatograms, calibrations curves, and spectra exactly as needed for your application review. – Construct custom tables with your required columns and formatting. – Build custom control charts to assess analytical performance. – Incorporate instrument specifics such as module information and Early Maintenance Feedback Counters into your report. – Create custom calculations and flag data that is out of specified ranges.	Onsite	2 days		Request quote

Software and Informatics Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
SW-PA-3100cV2	Pathway Architect Workshop This one day workshop will provide students with the ability to take results of single or multi-omics experiments and map them to canonical biological pathways. Students will create pathways and then analyze and visualize experiments with those pathways using Pathway Architect which is a licensed feature within Agilent MassProfiler Professional version 14.5.	Onsite	1 day		Request quote
Self-Paced e-Learning Courses					
SW-ECM-0001r	Understanding ECM File Management	e-Learning	Self-paced	0	Free
SW-ECM-0002r	Understanding ECM XT File Management	e-Learning	Self-paced	0	Free
SW-ECM-1800s	OpenLab CDS ECM XT User/Operator Training (Ver. 2.2)	e-Learning	Self-paced	100	\$124/\$161
SW-ECM-1800sV2	OpenLab CDS ECM XT User/Operator Training (Ver. 2.3)	e-Learning	Self-paced	100	\$124/\$161
SW-MH-1820z	MassHunter Quantitative Analysis Compliance Overview	e-Learning	Self-paced	0	Free
SW-MH-1821zs	MassHunter Quantitative Analysis Compliance Security—Starter	e-Learning	Self-paced	0	Free
SW-MH-1822zs	MassHunter Quantitative Analysis Compliance—Audit Trail—Starter	e-Learning	Self-paced	0	Free
SW-MH-1823zs	MassHunter Quantitative Analysis Compliance Users and Groups	e-Learning	Self-paced	0	Free
SW-MH-1824zs	MassHunter Quantitative Analysis Compliance—Audit Trail Map (ATM)—Starter	e-Learning	Self-paced	0	Free
SW-MH-1825z	MassHunter Quantitative Analysis Compliance—Excel-based Report Security—Starter	e-Learning	Self-paced	0	Free
SW-MH-2160r	MassHunter Quantitative Analysis Basic Reporting	e-Learning	Self-paced	0	Free
SW-MH-2820zs	MassHunter Quantitative Analysis Compliance—Advanced Topics	e-Learning	Self-paced	0	Free
SW-MH-3160zs	MassHunter Quantitative Analysis QRS	e-Learning	Self-paced	0	Free
SW-MH-3170zs	PDF Report Builder	e-Learning	Self-paced	0	Free
SW-MH-3171r	MassHunter Qualitative Analysis Report Template Customization	e-Learning	Self-paced	100	\$124/\$161
SW-MH-3171s	MassHunter Excel Quantitative Report Customization Recorded Lecture Series	e-Learning	Self-paced	400	\$496/\$644
SW-MH-3172zs	Insider Secrets to LINQ Query Customization	e-Learning	Self-paced	0	Free
SW-MPP-1130z	Getting Started with Mass Profiler Professional	e-Learning	Self-paced	0	Free
SW-MPP-1131z	Mass Profiler Professional Training Videos	e-Learning	Self-paced	0	Free
SW-MPP-1132z	Using MassHunter Profinder to Prepare Data	e-Learning	Self-paced	0	Free
SW-OL-1100zs	Agilent OpenLab CDS ChemStation Software eFamiliarization (C.01.07)	e-Learning	Self-paced	0	Free
SW-OL-1130z	OpenLab CDS ChemStation Edition Data Analysis Workflows	e-Learning	Self-paced	0	Free

Software and Informatics Courses

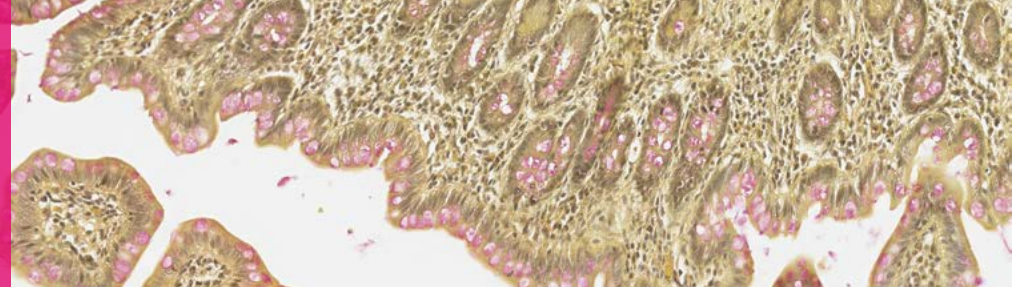
Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
SW-OL-1800z	OpenLab CDS ChemStation Edition Shared Services Introduction	e-Learning	Self-paced	0	Free
SW-OL-2100r	OpenLab CDS ChemStation Revision B to C Migration Seminar	e-Learning	Self-paced	200	\$248/\$322
SW-OL-2170z	OpenLab CDS ChemStation Edition Introduction to Intelligent Reporting	e-Learning	Self-paced	0	Free
SW-OLII-0001s	Preparing for Your OpenLab CDS Client/Server Installation Engagement	e-Learning	Self-paced	0	Free
SW-OLII-0003r	Enable Your Compliance Workflow with OpenLab CDS	e-Learning	Self-paced	0	Free
SW-OLII-0004s	OpenLab CDS Client/Server Pre-Installation Essentials for Operators (Version 2.4)	e-Learning	Self-paced	0	Free
SW-OLII-0005r	Understanding OpenLab Server File Management	e-Learning	Self-paced	0	Free
SW-OLII-0006s	Preparing for Your Migration from OpenLab CDS ChemStation Edition to OpenLab CDS	e-Learning	Self-paced	0	Free
SW-OLII-1100zs	Agilent OpenLab CDS Software eFamiliarization (2.1)	e-Learning	Self-paced	0	Free
SW-OLII-1100zsV2	Agilent OpenLab CDS Software eFamiliarization (2.3)	e-Learning	Self-paced	0	Free
SW-OLII-1100zsV3	Agilent OpenLab CDS Software eFamiliarization (2.4)	e-Learning	Self-paced	0	Free
SW-OLII-2101e	Introduction to OpenLab Data Analysis (Version 2.5)	e-Learning	Self-paced	0	Free
SW-OLII-2140e	OpenLab CDS Processing Method—Integration Parameters	e-Learning	Self-paced	0	Free
SW-OLII-3170s	OpenLab CDS Custom Reporting and Calculations	e-Learning	Self-paced	1,000	\$1,240/\$1,610

Vacuum Courses



Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
Classroom/Onsite Courses					
VAC-0GEN-1010c	Basic Vacuum Practice This course provides practical information on vacuum system operation, performance, and maintenance, as well as a comprehensive treatment of vacuum technology.	Classroom	3 days	1,485	\$2,841/\$2,391
VAC-0GEN-1210c	Leak Rate Test and Measurement This course is a companion to the Basic Vacuum Practice course, building on the vacuum and helium mass spectrometer leak detector (HMSLD) fundamentals learned in BVP.	Classroom	1 day	530	\$657/\$853
VAC-0GEN-3010c	Advanced Vacuum Practice Building on the Basic Vacuum Practice course, this course begins with a short review of vacuum theory and moves on to calculations for building and characterizing a vacuum system designed to perform at specified pressures.	Onsite	3 days	2,122	\$2,631/\$3,416

Cell Analysis Courses



Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
Self-Paced e-Learning Courses					
ACEA-NCYT-1100r	Introduction to Flow Cytometry Using the Agilent NovoCyte	e-Learning	Self-paced	0	Free
ACEA-XCLL-2100r	xCELLigence Real-Time Cell Analysis: Vaccine and Virology Applications	e-Learning	Self-paced	0	Free

Lab Courses



Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
Self-Paced e-Learning Courses					
LAB-0GEN-1100r	Electronic Balance Basics	e-Learning	Self-paced	0	Free
LAB-0GEN-1101r	Class A Volumetric Pipettes	e-Learning	Self-paced	100	\$124/\$161
LAB-0GEN-1102r	Volumetric Micropipettes	e-Learning	Self-paced	0	Free

Sample Prep Courses



Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
Self-Paced e-Learning Courses					
SP-0GEN-1000e	Introduction to Sample Preparation Techniques	e-Learning	Self-paced	0	Free
SP-0GEN-1000z	Improving the Quality of your Chromatography Data by Optimizing Sample Prep Techniques	e-Learning	Self-paced	0	Free
SP-FLT-1100z	Filtration Approaches to Sample Preparation and Cleanup	e-Learning	Self-paced	0	Free
SP-0GEN-1001e	Introduction to Agilent Sample Preparation Products	e-Learning	Self-paced	0	Free
SP-FLT-1000e	Introduction to Filtration	e-Learning	Self-paced	0	Free
SP-QRS-1100zs	Sample Preparation Using QuEChERS	e-Learning	Self-paced	0	Free
SP-QRS-2100z	Advanced QuEChERS Method Development	e-Learning	Self-paced	0	Free
SP-SPE-1000z	Solid Phase Extraction	e-Learning	Self-paced	0	Free
SP-SPE-2000z	Simple Approaches to SPE Method Development	e-Learning	Self-paced	0	Free
SP-SPE-2100z	Tips, Tricks, and Tools for Selecting, Developing and Implementing Simple and Successful Solid Phase Extraction	e-Learning	Self-paced	0	Free
SP-SPME-1000e	Introduction to Solid Phase Microextraction	e-Learning	Self-paced	0	Free

Agilent CrossLab services

CrossLab is an Agilent capability that integrates services and consumables to support workflow success and important outcomes like improved productivity and operational efficiency. Through CrossLab, Agilent strives to provide insight in every interaction that helps you achieve your goals. CrossLab services include method optimization, flexible service plans, and training for all skill levels. We have many other products and services to help you manage your instruments and your lab for best performance.

Learn more about Agilent CrossLab, and see examples of insight that leads to great outcomes, at www.agilent.com/crosslab

Learn more

www.agilent.com/crosslab/university

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