

2025 Agilent University Customer Training Catalog

Advance your skills, advance your lab



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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 eLearning 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.

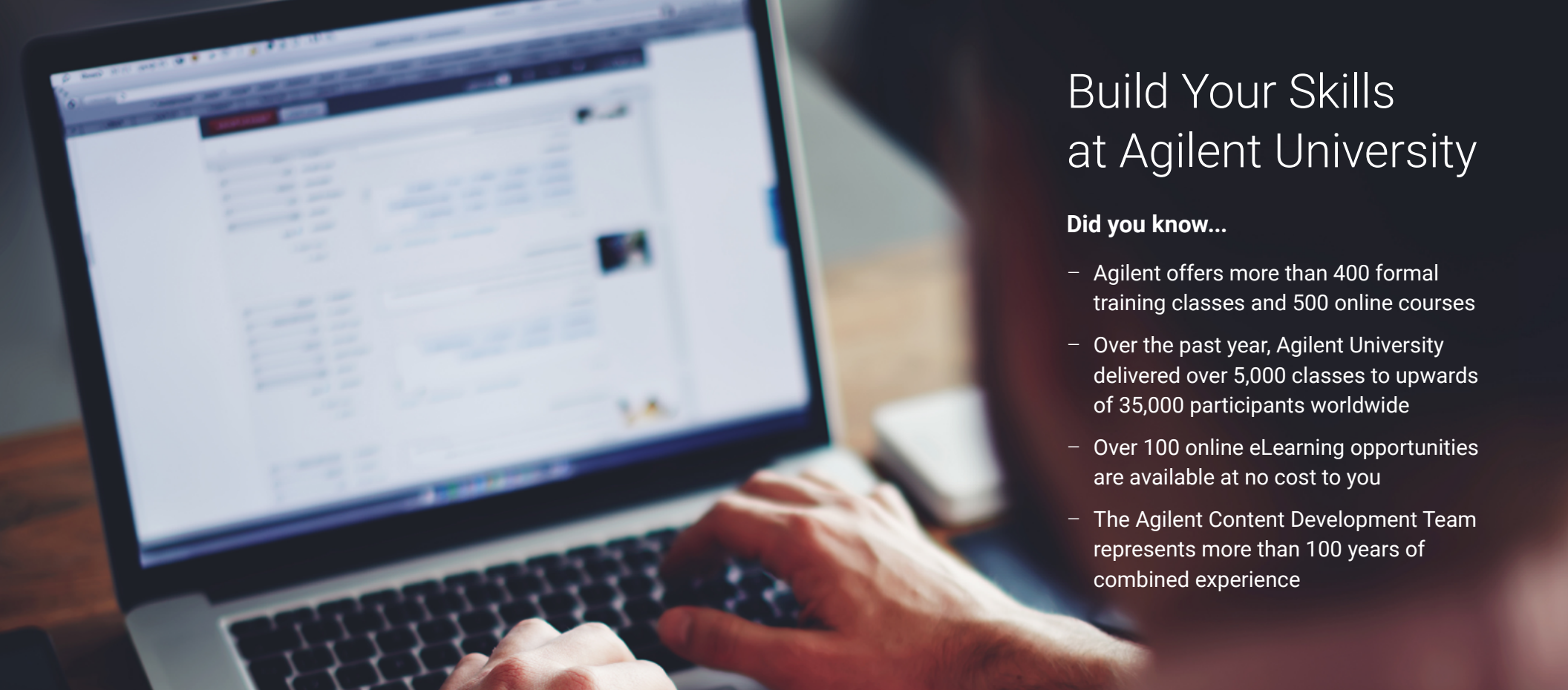
Onsite training

Enjoy the convenience of customized Agilent-developed classroom 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 consulting 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.





Build Your Skills at Agilent University

Did you know...

- Agilent offers more than 400 formal training classes and 500 online courses
- Over the past year, Agilent University delivered over 5,000 classes to upwards of 35,000 participants worldwide
- Over 100 online eLearning opportunities are available at no cost to you
- The Agilent Content Development Team represents more than 100 years of combined experience

Agilent University Cloud Laboratory

Dramatically improve retention of key skills and concepts with the Agilent University Cloud Laboratory. It lets you practice skills in a web browser, just as if you were using a live Agilent instrument.

[Discover courses](#)

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.

[Explore paths now](#)

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 eLearning content for three months or one year, all at one low price.

[Subscribe to ePass](#)

Hands-On Classroom Training: Maximize Skill Development and Confidence

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

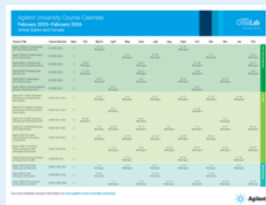
Agilent University classroom courses are taught at training sites with fully equipped classrooms and laboratories in more than 50 locations worldwide. Most courses include in-depth training manuals you can take with you for reference at your lab.

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.

Classroom course calendar

Plan ahead with the 2025 calendar of specific dates and locations for available classroom courses.

[View now](#)

The image shows a screenshot of a web-based calendar for Agilent University classroom courses. The calendar is organized by month and year (2025). It lists various courses with their respective dates and locations. The interface includes a header with the Agilent logo and a sidebar with navigation options. The main content area displays a grid of dates, with specific course information provided for selected dates.

Gas Chromatography Courses



Classroom/Onsite Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GC-0GEN-2000c	Practical Gas Chromatography Keep your gas chromatograph (GC) running efficiently, optimize your acquisition method, and enhance your data analysis workflow using innovative Agilent GC systems. – Discuss the theory and operation of GCs – Identify components of the GC, discuss optimal settings, and perform routine maintenance – Construct a method to acquire data and compare how different parameters impact the results – Define qualitative and quantitative analysis, build a calibration curve, and apply it to your method in the lab	Classroom	4 days	2,000	\$3,200/\$4,060
		Onsite			Request quote
GC-7890-2100c	Agilent 7890A/B GC and OpenLab ChemStation Operation Do you want to know how to keep your Agilent 7890 gas chromatograph (GC) running efficiently? Would you like to optimize parameters and improve your data analysis? Use the tools in OpenLab CDS ChemStation Edition to save time in your 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	\$4,000/\$5,075
		Onsite			Request quote
GC-7890-2200c	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	\$3,840/\$4,872
		Onsite			Request quote

Gas Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GC-7890-2206c	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
GC-8890-2100c	Agilent 8890 GC Operation with OpenLab CDS ChemStation Edition Reduce data analysis time and increase instrument operation time using the Agilent 8890 gas chromatograph (GC) and OpenLab CDS software. - Review the theory and operation of the Agilent 8890 GC - Construct a method to acquire both single sample and automated sequence data - Optimize and automate data processing - Produce reports that are customized for your unique data - Reduce instrument downtime with proper inlet and detector maintenance	Classroom	4 days	2,000	\$3,200/\$4,060
		Onsite			Request quote
GC-8890-2101c	Agilent 8890 GC Operation with OpenLab CDS Reduce data analysis time and increase instrument operation time using the Agilent 8890 gas chromatograph (GC) and OpenLab CDS software. - Review the theory and operation of the Agilent 8890 GC - Construct a method to acquire both single sample and automated sequence data - Optimize and automate data processing - Produce reports that are customized for your unique data - Reduce instrument downtime with proper inlet and detector maintenance	Classroom	4 days	2,000	\$3,200/\$4,060
		Onsite			Request quote
GC-8890-2200c	Agilent 8890 GC Maintenance and Troubleshootin 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 preventive maintenance and first-level repair of the Agilent 8890 GC and 7693A ALS.	Classroom	4 days	2,400	\$3,840/\$4,872
		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 preventive 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-9000-1101c	Agilent Intuvo 9000 GC Basic Operation and Maintenance Improve your outcomes with the Agilent Intuvo 9000 gas chromatograph (GC). In this one-day course, you will: – Explore the theory and operation of the Agilent Intuvo 9000 GC – Utilize the onboard keypad and online browser interface to control the GC and acquire data – Conserve gases and power using built-in resource conservation tools – Use automatic performance tests to ensure your system is running optimally every time – Practice performing inlet and detector maintenance in the hands-on lab	Onsite	1 day		Request quote
GC-9000-2101c	Agilent 7890 GC and Intuvo 9000 GC Operation with OpenLab CDS Are you wondering how to keep your Agilent 7890 gas chromatograph (GC) running efficiently? Would you like to optimize parameters and improve your data analysis? Use the Agilent OpenLab CDS tools to save time in your 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 – Optimize a method to acquire and process data in the hands-on lab – Produce a report customized for your unique data – Practice performing inlet and detector maintenance to reduce instrument downtime	Classroom	4 days	2,000	\$3,200/\$4,060
		Onsite			Request quote
GC-9000-2103c	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-2100c	Agilent 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

Gas Chromatography Courses

Self-Paced eLearning Courses		
Course Number	Course Name	
GC-0GEN-1000s	Fundamentals of Gas Chromatography Video Series	ePass subscription
GC-0GEN-1001e	Gas Management Best Practices	ePass subscription
GC-0GEN-1010r	Tech Talks – Understanding Split Injections in GC	ePass subscription
GC-0GEN-1012s	GC Inlets Theory and Operation	ePass subscription
GC-0GEN-1013s	GC Detectors Theory and Operation	ePass subscription
GC-0GEN-1030s	Rules of the Road: What to Consider When Developing a GC Method	ePass subscription
GC-0GEN-1040z	Practical Steps in GC Troubleshooting	ePass subscription
GC-0GEN-1050rV2	Understanding How GC Temperature Programming Works	ePass subscription
GC-0GEN-1051rV2	FID Theory and Operation	ePass subscription
GC-0GEN-1070e	Installation Care and Maintenance of Capillary GC Columns	ePass subscription
GC-0GEN-1071e	An Overview of the Agilent J&W Column Portfolio	ePass subscription
GC-0GEN-1072e	Agilent Packed GC Columns	ePass subscription
GC-0GEN-1240z	Cutting UltiMetal Plus Stainless Steel Capillary Tubing	ePass subscription
GC-0GEN-2001z	Tips on Making Your GC System and Analysis More Robust	ePass subscription
GC-0GEN-2030e	The Equation That Improves Your GC Separation	ePass subscription
GC-0GEN-2090rV2	Factors to Consider When Optimizing Your Method	ePass subscription
GC-6850-2232z	How to Run the Agilent 6850 GC Split/Splitless Inlet Vent Test	ePass subscription
GC-6850-2233z	How to Run the Agilent 6850 GC Split/Splitless Inlet Leak Test	ePass subscription
GC-6890-1100e	Agilent 6890 GC Mainframe and Keyboard Operation	ePass subscription
GC-6890-2220e	Agilent 6890 GC Capillary Split Inlet	ePass subscription
GC-6890-2230e	Agilent 6890 GC Capillary Splitless Inlet	ePass subscription
GC-7890-1200e	Introduction to the Agilent 7890 GC	ePass subscription
GC-7890-1203zV2	Agilent 7890B Gas Chromatograph e-Introduction	ePass subscription

Gas Chromatography Courses

Course Number	Course Name	
GC-7890-1250s	Agilent 7890 Flame Ionization Detector (FID) Theory and Operation	ePass subscription
GC-7890-1251s	Agilent 7890 Thermal Conductivity Detector (TCD) Theory and Operation	ePass subscription
GC-7890-1252z	Agilent 8355 Sulfur and 8255 Nitrogen Chemiluminescence Detectors e-Introduction	ePass subscription
GC-7890-2100s	Agilent 7890 GC Split/Splitless Inlet Fundamentals and Operations	ePass subscription
GC-7890-2200s	Agilent 7890 GC Maintenance and Troubleshooting	ePass subscription
GC-7890-2230z	Replacing the Split/Splitless Inlet Gold Seal	ePass subscription
GC-7890-2231z	How to Replace the GC Split/Splitless Inlet Liner and Septum and O-Ring	ePass subscription
GC-7890-2232z	How to Replace the 7890 Split Vent Trap	ePass subscription
GC-7890-2233z	How to Perform a GC Inlet Leak Check	ePass subscription
GC-7890-2240s	Agilent 7890 Series GC: Preparing for Maintenance and Maintenance Utilities	ePass subscription
GC-7890-2245s	Agilent 7890 Series GC: Split/Splitless Inlet Troubleshooting	ePass subscription
GC-7890-2250s	Agilent 7890 Series GC: Flame Ionization Detector (FID) Maintenance and Troubleshooting	ePass subscription
GC-7890-2281r	Agilent 7890 Series GC: Thermal Conductivity Detector (TCD) Troubleshooting	ePass subscription
GC-8850-1200e	Introduction to the Agilent 8850 GC	ePass subscription
GC-8860-1203z	Agilent 8860 Gas Chromatograph e-Introduction	ePass subscription
GC-8890-1200e	Introduction to the Agilent 8890 GC	ePass subscription
GC-8890-1201e	Preparing for Your New 8890 GC System	ePass subscription
GC-8890-1203z	Agilent 8890 Gas Chromatograph e-Introduction	ePass subscription
GC-8890-2200s	Agilent 8890 GC Maintenance and Troubleshooting	ePass subscription
GC-9000-1200e	Introduction to the Agilent Intuvo 9000 GC	ePass subscription
GC-9000-1200zs	Quick Launch Intuvo Maintenance Videos	ePass subscription
GC-9000-1201e	Preparing for Your New Agilent Intuvo 9000 GC	ePass subscription
GC-9000-1203z	Agilent Intuvo 9000 Gas Chromatograph e-Introduction	ePass subscription
GC-9000-1250s	Agilent Intuvo 9000 GC Flame Ionization Detector (FID) Theory and Operation	ePass subscription

Gas Chromatography Courses

Course Number	Course Name	
GC-9000-1251r	Agilent Intuvo 9000 GC Thermal Conductivity Detector (TCD) Theory and Operation	ePass subscription
GC-9000-2100s	Agilent Intuvo 9000 GC Split/Splitless Inlet Fundamentals and Operations	ePass subscription
GC-MULTI-1120eV2	Agilent GC and GC Sampler Control in Non-Agilent Data Systems	ePass subscription
GC-MULTI-1240zs	Making Productivity Happen: An Agilent GC eLearning Series	ePass subscription
GC-MULTI-1241z	Self Tightening Column Nut Installation: Inlet or Detector	ePass subscription
GC-MULTI-1242z	Self Tightening Column Nut Installation: MultiMode Inlet	ePass subscription
GC-MULTI-1250r	Ionizing Radiation Protection Fundamentals and Safe Handling of Agilent uECD	ePass subscription
GC-MULTI-1261z	Climbing the Peaks of GC Intelligence	ePass subscription
GC-MULTI-2100e	Advanced Operation of the Multimode Inlet (MMI)	ePass subscription
GC-MULTI-2190e	GC Calculators: An Introduction	ePass subscription
GC-MULTI-2250r	FPD+ Maintenance	ePass subscription
GC-MULTI-2250s	FID Maintenance and Troubleshooting	ePass subscription
GC-MULTI-2251r	NPD Maintenance	ePass subscription
GC-OLCS-2101eV2	Introduction to the Operation of Agilent GCs with OpenLab CDS ChemStation Edition Software (Ver. C.01.09)	ePass subscription
GC-OLCS-2120eV2	Use OpenLab CDS ChemStation Edition Software to Set Up a GC Method (Ver. C.01.09)	ePass subscription
GC-OLCS-2121e	GC Single Sample Data Acquisition with OpenLab CDS ChemStation Edition (Ver. C.01.10)	ePass subscription
GC-OLCS-2130eV2	Process GC Qualitative Data Using OpenLab CDS ChemStation Edition Software (Ver. C.01.09)	ePass subscription
GC-OLCS-2150eV2	Process GC Quantitative Data Using OpenLab CDS ChemStation Edition Software (Ver. C.01.09)	ePass subscription
GC-OLCS-2150scV2	Agilent GC OpenLab CDS ChemStation Edition Quantification with Cloud Laboratory (Ver. C.01.10)	ePass subscription
GC-OLCS-2160e	Report GC Data Using OpenLab CDS ChemStation Edition Software (Ver. C.01.08)	ePass subscription
GC-OLCS-2170eV2	Introduction to Using Intelligent Reports in OpenLab CDS ChemStation Edition with GC Data (Ver. C.01.09)	ePass subscription
GC-OLCS-2171eV2	Review and Process GC Data with OpenLab CDS ChemStation Edition (Ver. C.01.09)	ePass subscription
GC-OLCS-2180eV2	GC Sequencing with OpenLab CDS ChemStation Edition Software (Ver. C.01.09)	ePass subscription
GC-OLII-2102eV3	Introduction to the Operation of Agilent GCs with OpenLab CDS (Ver. 2.5)	ePass subscription

Gas Chromatography Courses

Course Number	Course Name	
GC-OLII-2121eV3	Use OpenLab CDS to Set Up a GC Method (Ver. 2.5)	ePass subscription
GC-OLII-2131eV5	Basic GC Data Review with Agilent OpenLab CDS (Ver. 2.7)	ePass subscription
GC-OLII-2150scV2	Agilent GC OpenLab CDS Quantification with Cloud Laboratory (Ver. 2.7)	ePass subscription
GC-OLII-2151eV3	Process GC Quantitative Data Using OpenLab CDS (Ver. 2.5)	ePass subscription
GC-OLII-2151eV5	GC Quantitative Analysis with OpenLab CDS (Ver. 2.7)	ePass subscription
GC-OLII-2181eV5	GC Sequences with Agilent OpenLab CDS (Ver. 2.7)	ePass subscription
GC-OLII-2182eV3	Advanced Sequence Concepts with OpenLab CDS (Ver. 2.5)	ePass subscription
GC-OLII-2183eV3	Basic Automation and GC Resource Conservation with OpenLab CDS (Ver. 2.5)	ePass subscription
GC-OLII-2190eV2	Use the Peak Explorer to Review GC Data in OpenLab CDS (Ver. 2.5)	ePass subscription
GC-RTL-2101eV3	Using the RTL Wizard with OpenLab CDS (Ver. 2.5)	ePass subscription
SI-7693-1100s	Agilent 7693A ALS Basic and Advanced Operation and Maintenance	ePass subscription
SI-7696-1100s	Agilent 7696A Sample Prep WorkBench Operation	ePass subscription
SI-7697-1220e	Agilent 7697A Headspace Sampler Pneumatics Overview	ePass subscription
SI-7697-2100sV3	Agilent 7697A Headspace Sampler Operation and Maintenance	ePass subscription
SI-7697A-2260r	How to Run the Agilent 7697A Headspace Sampler Restriction and Leak Tests	ePass subscription
SI-8697-2100sV2	Agilent 8697 and 8697XL Headspace Sampler Operation and Maintenance	ePass subscription

Liquid Chromatography Courses



Classroom/Onsite Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
HPLC-0GEN-2000c	Techniques of HPLC Is a modern HPLC instrument something of a black box for you? Do you want to look under the hood and get practical knowledge and experience with HPLC techniques to become a successful HPLC analyst? – Prepare your instrument and samples for successful operation – Acquaint yourself with HPLC theoretical principles, applications, column types, and modes – Identify the components of a modern HPLC instrument and use them effectively in separations – Interpret and troubleshoot chromatograms – Optimize a reversed-phase separation using principles learned in this course – Apply your knowledge to any manufacture of HPLC instrument	Classroom	4 days	2,400	\$3,840/\$4,872
		Onsite			Request quote
HPLC-INF-2100c	Agilent Infinity LC Series OpenLab ChemStation Edition 3D Do you struggle with getting your daily tasks done? Frustrated spending time manipulating parameters after each run is complete? Learn how to maximize your HPLC system by automating sample analysis, data calculations, and reporting with trusted results tailored to your needs. Perform maintenance activities to reduce the risk of instrument downtime. – 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	\$3,200/\$4,060
		Onsite			Request quote

Liquid Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
HPLC-INF-2200c	Agilent Infinity I and II Series Troubleshooting and Maintenance Having trouble knowing what to do when there is an issue with your Agilent HPLC system? Looking at an Agilent HPLC as a magic box? Demystify the magic box, with an introduction to each module and learning how to diagnose, troubleshoot, and maintain your Agilent HPLC. – Learn the flow path of the instrument – Identify each module and what its role is – Acquire tools to troubleshoot the instrument – Obtain knowledge on how to keep your system up and running – Learn what diagnostic tools you already have with your Agilent software/system	Classroom	2 days	1,200	\$1,920/\$2,436
		Onsite			Request quote
HPLC-INFII-2101c	Agilent Infinity Series HPLC Operation with OpenLab CDS Switching to Agilent OpenLab CDS and struggling to use the software? Just hired and OpenLab CDS seems like a foreign language to you? Learn how to become a proficient user with basic yet essential skills as well as some advanced features to impress your colleagues. – Run samples and sequences – Review data – Set up methods – Build calibration tables – Perform routine maintenance for Agilent 1260 HPLC instruments	Classroom	4 days	2,000	\$3,200/\$4,060
		Onsite			Request quote
HPLC-OLCS-2105c	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-2100c .	Onsite	3 days		Request quote

Liquid Chromatography Courses

Self-Paced eLearning Courses		
Course Number	Course Name	
HPLC-0GEN-1000s	Fundamentals of High Performance Liquid Chromatography Video Series	ePass subscription
HPLC-0GEN-1001r	Tech Talks: HPLC Chromatography Demonstration	ePass subscription
HPLC-0GEN-1001s	Laboratory Skills for HPLC Operators	ePass subscription
HPLC-0GEN-1002r	Tech Talks: HPLC Separation Simplified	ePass subscription
HPLC-0GEN-1020e	HPLC Sample Preparation	ePass subscription
HPLC-0GEN-1021r	Handling HPLC Solvents	ePass subscription
HPLC-0GEN-1060r	Tech Talks: Understanding Internal and External Standards	ePass subscription
HPLC-0GEN-1071z	HPLC Fittings	ePass subscription
HPLC-0GEN-1203r	Analysis of Biomolecules with HPLC	ePass subscription
HPLC-0GEN-2030e	The Equation That Improves Your HPLC Separation	ePass subscription
HPLC-0GEN-2040zsV2	HPLC Chromatographic Troubleshooting	ePass subscription
HPLC-0GEN-2050e	The Basics of HPLC Gradients	ePass subscription
HPLC-0GEN-2090r	UHPLC Theory	ePass subscription
HPLC-0GEN-2201e	Chromatographic Troubleshooting for HPLC	ePass subscription
HPLC-1260-1200e	HPLC Instruments Essentials	ePass subscription
HPLC-1260-1270e	Agilent 1260 Infinity LC with ChemStation System Leak Errors	ePass subscription
HPLC-1260-1271e	HPLC High Pressure Errors	ePass subscription
HPLC-1260-1272e	Agilent 1260 Infinity LC with OpenLab CDS System Leak Errors	ePass subscription
HPLC-1260-1273e	Agilent 1260 Infinity LC with OpenLab CDS High Pressure Errors	ePass subscription
HPLC-1260-2230z	Changing Pump Seals in Agilent 1260 Binary and Quaternary and Isocratic Pumps	ePass subscription
HPLC-1260-2260z	Changing Lamps in G1315x DADs and G1365x MWDs	ePass subscription
HPLC-1290-2190r	1290 Infinity LC Systems – Method Transfer HPLC to UHPLC	ePass subscription
HPLC-1290-2201r	Agilent 1290 Infinity LC Systems – UHPLC Instrumentation	ePass subscription

Liquid Chromatography Courses

Course Number	Course Name	
HPLC-1290-2231z	Changing the Jet Weaver on an Agilent G4220x 1290 Pump	ePass subscription
HPLC-1290-2250z	Replacing the Cartridge Cell in an Agilent 1290 G4212X Diode Array Detector (DAD)	ePass subscription
HPLC-INF-2220z	Replacing the Loop Capillary on an Agilent G4226X/G1367E Agilent HiP Autosampler	ePass subscription
HPLC-INF-2221z	Changing the Seal Wash Option Peristaltic Pump	ePass subscription
HPLC-INFII-1120rV2	Agilent OpenLab CDS ChemStation – Acquisition (C.01.09 and C.01.10)	ePass subscription
HPLC-INFII-1121rV2	Agilent 1260 Infinity LC Systems – Online and Offline OpenLab CDS ChemStation Edition (C.01.09 and C.01.10)	ePass subscription
HPLC-OL-1140r	Agilent OpenLab CDS ChemStation – Integration	ePass subscription
HPLC-OL-1180r	Agilent OpenLab CDS ChemStation – Sequences	ePass subscription
HPLC-OL-1180rV2	Agilent OpenLab CDS ChemStation – Sequences (C.01.09 and C.01.10)	ePass subscription
HPLC-OLCS-1160e	Generating Reports in OpenLab CDS ChemStation Edition	ePass subscription
HPLC-OLCS-2130e	Improving and Reporting Signal-to-Noise Ratio in OpenLab CDS ChemStation	ePass subscription
HPLC-OLCS-2150scV3	Cloud Laboratory: Agilent HPLC OpenLab CDS ChemStation Edition Quantification (C.01.10)	ePass subscription
HPLC-OLII-1101e	Agilent OpenLab CDS Screen Navigation for Infinity LC Systems	ePass subscription
HPLC-OLII-1121e	Agilent Infinity LC Systems with OpenLab CDS – Acquisition Method	ePass subscription
HPLC-OLII-1122e	Agilent OpenLab CDS for HPLC – Instrument Status and Single Runs	ePass subscription
HPLC-OLII-1122eV2	Agilent OpenLab CDS for HPLC – Instrument Status and Single Runs (Ver. 2.6)	ePass subscription
HPLC-OLII-1130e	Agilent OpenLab CDS Data Analysis – Loading and Comparing Runs	ePass subscription
HPLC-OLII-1131eV2	Agilent OpenLab CDS Data Analysis - Processing Methods (Version 2.7)	ePass subscription
HPLC-OLII-1140eV2	Agilent Infinity LC Systems with OpenLab CDS – Integration and Viewing Results (Ver. 2.6)	ePass subscription
HPLC-OLII-1150e	Agilent Infinity LC Systems with OpenLab CDS – Identification	ePass subscription
HPLC-OLII-1151e	Agilent OpenLab CDS – Quantification	ePass subscription
HPLC-OLII-1151eV2	Agilent OpenLab CDS Data Analysis - Quantitation (Version 2.7)	ePass subscription
HPLC-OLII-1180eV2	Agilent Infinity LC Systems with OpenLab CDS – Sequences (Ver. 2.6)	ePass subscription
HPLC-OLII-2130e	Improving and Reporting Signal-to-Noise Ratio in OpenLab CDS	ePass subscription

Liquid Chromatography Courses

Course Number	Course Name	
HPLC-OLII-2150scV2	Cloud Laboratory: Agilent HPLC OpenLab CDS Quantification (Ver. 2.5)	ePass subscription
HPLC-OLII-2150scV3	Agilent HPLC OpenLab CDS Quantification with Cloud Laboratory (Version 2.7)	ePass subscription

GC/MS Chromatography Courses



Classroom/Onsite Courses					
Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GCMS-0GEN-2000c	Techniques of GC/MS If you are tasked with using a GC/MS system, having foundational knowledge of the technique makes you a better analyst. Whether you are a new user or just wanting a refresher, this course will introduce you to the techniques necessary to perform qualitative and quantitative analysis using single quadrupole, triple quadrupole, and Q-TOF GC/MS systems. – Understand the basic chemistry used for mass spectral analysis – List the hardware necessary for GC/MS techniques – Describe how mass analysis is performed – Explain how to perform qualitative and quantitative analysis – Compare the general workflows using single quadrupole, triple quadrupole, or quadrupole time-of-flight GC/MS	Onsite	3 days		Request quote
GCMS-0GEN-3060c	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. – 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 compound based on their mass spectra – Reinforce the concepts presented through problem solving	Onsite	3 days		Request quote
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.	Onsite	5 days		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.	Onsite	3 days	1,800	\$2,880/\$3,654

GC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GCMS-5977-2100c	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	\$3,840/\$4,872
		Onsite			Request quote
GCMS-5977-2103c	Agilent 5977 GC/MS Techniques and Operation with ChemStation Data Analysis Are you responsible for accurately reporting analytical results using an Agilent 5977 or 5975 GC/MSD with MassHunter GC/MS Acquisition software and ChemStation Data Analysis? Do you want the skills to fully utilize your GC/MS system? By the end of this course, you will able to: – 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 ChemStation Data Analysis software to perform qualitative and quantitative analysis and generate reports – Perform basic maintenance and troubleshooting for the Agilent 5977 GC/MSD system	Classroom	4 days	2,400	\$3,840/\$4,872
		Onsite			Request quote
GCMS-5977-2109c	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	\$4,480/\$5,684
		Onsite			Request quote

GC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GCMS-5977-2200c	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	\$2,880/\$3,654
		Onsite			Request quote
GCMS-7000-2100c	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 7000D/7010B 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	\$5,120/\$6,496
		Onsite			Request quote
GCMS-7000-2104c	Agilent 7000E/7010C Series Triple Quadrupole Techniques and Operations 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 7000E/7010C 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 7000E/7010C Triple Quadrupole GC/MS system	Classroom	4 days	3,200	\$5,120/\$6,496
		Onsite			Request quote

GC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
GCMS-7200-2102c	Agilent 7250 Series GC/MS Q-TOF Techniques and Operation A quadrupole time-of-flight mass spectrometer provides a plethora of analytical information. Gain the expertise to confidently work with the Agilent 7250 GC/Q-TOF system. Understand how to use the software to extract the information you need. – Understand mass spectrometry and time-of-flight theory – Know how to calibrate and tune the mass spectrometer – Describe how to acquire data using MS mode and targeted MS/MS mode – Use MassHunter Qualitative Data Analysis to find and identify compounds and generate reports – Perform basic maintenance and troubleshooting for the Agilent 7250 GC/Q-TOF system	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-2101c	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	\$2,880/\$3,654
		Onsite			Request quote

GC/MS Chromatography Courses

Self-Paced eLearning Courses

Course Number	Course Name	
GCMS-0GEN-1001e	Chemistry Review for GC/MS	ePass subscription
GCMS-0GEN-2000e	Introduction to Gas Chromatography and Mass Spectrometry (GC/MS)	ePass subscription
GCMS-0GEN-2030s	Triple Quadrupole GC/MS Principles	ePass subscription
GCMS-0GEN-2091e	Chemical Ionization Basic Theory	ePass subscription
GCMS-0GEN-2120e	Optimizing Your GC/MS Scan Acquisition Parameters	ePass subscription
GCMS-0GEN-2121eV2	Optimizing Your GC/MS Selected Ion Monitoring (SIM) Parameters	ePass subscription
GCMS-5975-1001r	GC/MS Basics and Agilent 5975 Hardware Configuration	ePass subscription
GCMS-5975-2030r	Agilent 5975 GC/MS with ChemStation Data Acquisition Theory	ePass subscription
GCMS-5975-2120r	Agilent 5975 with ChemStation GC/MS Tuning	ePass subscription
GCMS-5975-2121r	Agilent 7890/5975 with ChemStation Data Acquisition Setup	ePass subscription
GCMS-5975-2122r	Agilent 6890/5975 with ChemStation Data Acquisition Setup	ePass subscription
GCMS-5975-2123r	Agilent 5975 GC/MS Backflushing and the Backflush Wizard	ePass subscription
GCMS-5975-2130r	Agilent 5975 GC/MS ChemStation Qualitative Data Analysis	ePass subscription
GCMS-5975-2150r	Agilent 5975 GC/MS ChemStation Quantitative Data Analysis	ePass subscription
GCMS-5975-2160r	Agilent GC/MS ChemStation Custom Reports and Databases	ePass subscription
GCMS-5975-2180r	Agilent 5975 GC/MS ChemStation Sequencing	ePass subscription
GCMS-5975-2200r	Agilent 7890/5975 GC/MS Maintenance Overview	ePass subscription
GCMS-5975-3170r	Agilent GC/MS ChemStation Commands and Macros	ePass subscription
GCMS-5977-1000p	Your Personalized Learning Path for the Agilent 5977 with MassHunter	ePass subscription
GCMS-5977-1200sV2	GC/MS Single Quadrupole Instrument Essentials	ePass subscription
GCMS-5977-1201eV2	Agilent 5977 GC/MSD with MassHunter Software: System Overview	ePass subscription
GCMS-5977-1202e	Agilent 5977 GC/MSD with OpenLab CDS Software: System Overview	ePass subscription
GCMS-5977-1280eV2	Daily Maintenance Tasks for the Agilent 5977 GC/MSD System	ePass subscription

GC/MS Chromatography Courses

Course Number	Course Name	
GCMS-5977-1281e	Daily Maintenance Tasks for the Agilent 5977 GC/MSD (OpenLab CDS)	ePass subscription
GCMS-5977-2020e	Agilent 5977 GC/MSD Tuning Principles	ePass subscription
GCMS-5977-2021eV2	Tuning Your Agilent GC/MSD in EI Mode Using MassHunter GC/MS Acquisition (Ver. 10.1)	ePass subscription
GCMS-5977-2022eV2	Tuning Your Agilent GC/MSD in EI Mode Using Agilent OpenLab CDS (Ver. 2.6/2.7)	ePass subscription
GCMS-5977-2120e	Create and Run a GC/MSD Acquisition Method Using MassHunter (Ver. 10.1)	ePass subscription
GCMS-5977-2121e	Create and Run a GC/MSD Acquisition Method Using OpenLab CDS (Ver. 2.6)	ePass subscription
GCMS-5977-2240e	Agilent 5977 GC/MSD Ion Source Maintenance: InertPlus (Extractor) EI	ePass subscription
GCMS-5977-2242e	Agilent 5977 GC/MSD Ion Source Maintenance: Stainless Steel or Inert EI	ePass subscription
GCMS-5977-2260e	Agilent 5977B GC/MSD Diagnostics and Troubleshooting Using MassHunter Software	ePass subscription
GCMS-5977-2261eV2	Using Diagnostic Tools to Detect Leaks in Your Agilent GC/MSD with MassHunter Software	ePass subscription
GCMS-5977-2262e	Using Diagnostic Tools to Detect Leaks in Your Agilent GC/MS SQ System with OpenLab CDS	ePass subscription
GCMS-5977-2271eV2	GC/MS: Identifying the Source of GC Mystery Peaks	ePass subscription
GCMS-5977-2300eV2	Agilent 5975/5977 EnviroQuant – Communication and Software Configuration Overview (Acq. B.07.05)	ePass subscription
GCMS-5977-2300s	Agilent 5977 GC/MS and MassHunter EnviroQuant Online Lecture Series (Acq. B.07.05/Env Quant B.08)	ePass subscription
GCMS-7000-1201e	Agilent 7000/7010 Triple Quadrupole GC/MS System Overview	ePass subscription
GCMS-7000-1280eV2	Daily Maintenance Tasks for the Agilent 7000/7010 Series Triple Quadrupole GC/MS	ePass subscription
GCMS-7000-2090r	How to Select Product Ions for Triple Quadrupole GC/MS Analyses	ePass subscription
GCMS-7000-2120e	Chemical Ionization Operating Tips for the Agilent 7000E or 7010C Triple Quadrupole GC/MS	ePass subscription
GCMS-7000-2121r	Agilent 7000 Series Triple Quadrupole GC/MS System Tuning and Calibration (Ver. B.07)	ePass subscription
GCMS-7000-2122r	MassHunter Triple Quadrupole GC/MS Acquisition Method Parameters: MS1 Scan (Ver. B.07)	ePass subscription
GCMS-7000-2123r	MassHunter Triple Quadrupole GC/MS Acquisition Method Parameters: Product Ion Scan and MRM (Ver. B.07)	ePass subscription
GCMS-7000-2240e	Agilent 7000 Triple Quadrupole GC/MS Ion Source Maintenance: InertPlus EI	ePass subscription
GCMS-7000-2241e	Agilent 7010 Triple Quadrupole Ion Source Maintenance: High Efficiency Source (HES)	ePass subscription
GCMS-7000-2261eV2	Using Diagnostic Tools to Detect Leaks in Your Agilent 7000D or 7010B Triple Quadrupole GC/MS	ePass subscription

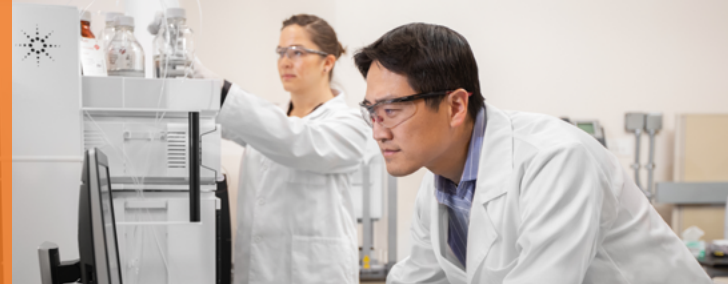
GC/MS Chromatography Courses

Course Number	Course Name	
GCMS-7000-2262e	Using Diagnostic Tools to Detect Leaks in Your Agilent 7000E or 7010C GC/TQ System	ePass subscription
GCMS-7000-2280e	Agilent GC/MS/MS Troubleshooting Series: Diagnostics and Troubleshooting Introduction (7000D or 7010B)	ePass subscription
GCMS-7000-2285e	Agilent GC/MS/MS Troubleshooting Series: Pressure and Temperature Symptoms	ePass subscription
GCMS-7000-2286e	Agilent GC/MS/MS Troubleshooting Series: Air Leaks and Contamination	ePass subscription
GCMS-7000-3300z	eSeminar: GC Triple Quadrupole Use in Challenging Matrices for Detection of Compounds in EPA Methods 8270/8081 and 8082	ePass subscription
GCMS-7000-3301z	eSeminar: Getting the Best Performance from Your GC/QQQ for the Analysis of Pesticides in Environmental Matrices	ePass subscription
GCMS-MH-1100zsV4	Agilent 5977B and MassHunter Software e-Introduction (Acq. 10.1; Qual 10.0/Quant 10.2)	ePass subscription
GCMS-MH-2121eV2	Using Sequences to Automate Your MassHunter GC/MS Acquisition (Ver. 10.2)	ePass subscription
GCMS-MH-2130s	Working with MassHunter Qualitative Analysis for GC/MS Single Quadrupole Systems (Ver. B.08)	ePass subscription
GCMS-MH-2131s	Working with MassHunter Qualitative Analysis for GC/MS Triple Quadrupole Systems (Ver. B.08)	ePass subscription
GCMS-MH-2133e	Create a Custom Library Using MassHunter Library Editor with Simulation Laboratory (Ver. 10.2)	ePass subscription
GCMS-MH-2150scV3	Agilent MassHunter Quantification for Single Quadrupole GC/MS with Cloud Laboratory (Ver. 10.1)	ePass subscription
GCMS-MH-2151scV3	Agilent MassHunter Quantification for Triple Quadrupole GC/MS with Cloud Laboratory (Ver. 10.1)	ePass subscription
GCMS-MH-2151scV4	Agilent MassHunter Quantification for Triple Quadrupole GC/MS with Cloud Laboratory (Version 12.1)	ePass subscription
GCMS-MH-3130e	GC/MS Chromatogram Deconvolution Using MassHunter Software	ePass subscription
GCMS-MH-3131sc	Agilent MassHunter Unknowns Analysis for GC/MS with Cloud Laboratory (Ver. 10.1)	ePass subscription
GCMS-OLII-2102eV3	OpenLab CDS Processing Method: General Overview for GC/MS (Ver. 2.7)	ePass subscription
GCMS-OLII-2130e	Basic Qualitative Tasks for GC/MS Using OpenLab CDS (Ver. 2.6)	ePass subscription
GCMS-OLII-2130eV2	Agilent OpenLab CDS: Basic Qualitative Tasks for GC/MS (Version 2.7)	ePass subscription
GCMS-OLII-2133e	Create a NIST GC/MS Library for Agilent OpenLab CDS (Ver. 2.6)	ePass subscription
GCMS-OLII-2150eV2	OpenLab CDS Processing Method: Compound Identification and Calibration for GC/MS (Ver. 2.6)	ePass subscription
GCMS-OLII-2150eV3	OpenLab CDS Processing Method: Compound Identification and Calibration for GC/MS (Ver. 2.7)	ePass subscription
GCMS-OLII-2150scV3	Cloud Laboratory: Building an OpenLab CDS Processing Method for GC/MS (Version 2.7)	ePass subscription
GCMS-OLII-2152eV2	OpenLab CDS Quantitative Data Review and Reprocessing for GC/MS (Ver. 2.6)	ePass subscription

GC/MS Chromatography Courses

Course Number	Course Name	
GCMS-OLII-2152eV3	OpenLab CDS Quantitative Data Review and Reprocessing for GC/MS (Ver. 2.7)	ePass subscription
GCMS-OLII-2152scV3	Cloud Laboratory: OpenLab CDS Quantitative Data Review and Reporting for GC/MS (Version 2.7)	ePass subscription
GP-MULTI-2090e	Convert Your Existing GC or GC/MS Method to Hydrogen Carrier Gas	ePass subscription
SI-TD-1220z	Carrier Gas Flow Through TD-100E	ePass subscription
SI-TD-2110z	Tube and Sorbent Selection for Thermal Desorption	ePass subscription
SI-TD-2120z	Setting Up Thermal Desorption Method Parameters	ePass subscription

LC/MS Chromatography Courses



Classroom/Onsite Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
LCMS-6100-2100c	Agilent 6100 Series LC/MS SQ Techniques and Operation with OpenLAB CDS Chemstation 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	4,000	\$6,400/\$8,120
		Onsite			Request quote
LCMS-6100-2109c	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	4,000	\$6,400/\$8,120
		Onsite			Request quote

LC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
LCMS-6200-2100c	Agilent 6200 Series TOF LC/MS Techniques and Operation 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	\$6,400/\$8,120
		Onsite			Request quote
LCMS-6400-2100c	Agilent 6400 Series QQQ LC/MS Techniques and Operation Have you recently become an operator of an Agilent 6400 Series Triple Quadrupole LC/MS system? Do you need more experience developing and optimizing acquisition methods for your applications? 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	Onsite	4 days		Request quote

LC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
LCMS-6400-2109c	Agilent 6400 Series and Ultivo LC/TQ Techniques and Operation with MassHunter Workstation Have you recently become an operator of an Agilent Triple Quadrupole LC/MS system? Do you need more experience developing and optimizing acquisition methods for your applications? Gain confidence in operating and troubleshooting your Agilent LC/MS instrument. Improve your productivity by automating data acquisition and data processing. – Create targeted MS/MS analytical methods – Optimize your compound and source parameters for your application and acquire higher quality data – Automate your acquisition using worklists, incorporate data processing into the workflow increasing your productivity – Increase throughput using intelligent reinjection logic – Create quantitative and reporting methods tailored to your application – Execute a routine maintenance schedule to minimize instrument downtime	Classroom	4 days	4,000	\$6,400/\$8,120
		Onsite			Request quote
LCMS-6500-2100c	Agilent 6500 Series Q-TOF LC/MS Techniques and Operation for Small 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 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 database library and flag data that 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	\$6,400/\$8,120
		Onsite			Request quote

LC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
LCMS-6500-2102c	Agilent 6500 Series Q-TOF LC/MS Techniques and Operation for Large Molecules Have you recently become an operator of an Agilent Quadrupole Time of Flight LC/MS system? Do you need more experience on how to develop analytical workflows for your large molecule projects? Gain operating confidence with your high resolution accurate mass instrument and extract the most information from your data using the processing power of the MassHunter Workstation software. – Acquire high quality accurate mass data by tuning, calibrating, and optimizing your Q-TOF LC/MS 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 – 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	\$6,400/\$8,120
		Onsite			Request quote
LCMS-6500-2103	Agilent Revident LC/Q-TOF Techniques and Operation for Small Molecules Are you a new user of the Agilent Revident LC/Q-TOF system? Looking to enhance your skills in creating analytical workflows for your small molecule projects? Boost your confidence in operating this high-resolution accurate mass instrument and maximize data utilization with the computational power of the MassHunter Workstation software. – Easily configure and execute application-centric tunes – Develop data-dependent and data-independent acquisition methods for your untargeted and targeted applications – Utilize specific feature-finding algorithms to mine your accurate mass data for both unknown and known compounds – Use your personal compound database library to screen and identify detected compounds, and flag any data that falls outside the specified match score – Generate calibration curves to quantify target compounds, screen for suspects, and flag any data that deviates from specified ranges – Utilize the onboard intelligence to schedule tuning, mass calibration, and regular maintenance to reduce instrument downtime	Classroom	4 days	4,000	\$6,400/\$8,120
		Onsite			Request quote

LC/MS Chromatography Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
LCMS-6500-2109c	Agilent 6560 Ion Mobility LC/Q-TOF Techniques and Operation Have you recently become an operator of an Agilent 6560 Ion Mobility LC/Q-TOF system? Do you need more experience on how best to acquire and process ion mobility MS data? Gain operating confidence with your ion mobility accurate mass instrument and extract the most information from your data using the processing power of the MassHunter Workstation software. – Acquire high quality IM-MS data by tuning, calibrating, and optimizing your Ion Mobility Q-TOF LC/MS system – Develop data processing workflows for your small or large molecule ion mobility MS projects – Mine your ion mobility MS data for compounds using specific feature-finding algorithms – Conduct differential analysis on your ion mobility MS data – Create your own personal compound database library containing collisional cross section (CCS) values and spectra, for screening and identification	Classroom	4 days	4,000	\$6,400/\$8,120
		Onsite			Request quote
LCMS-ULTV-2100c	Agilent Ultivo LC/TQ Techniques and Operation Have you recently become an operator of an Agilent Ultivo Triple Quadrupole LC/MS system? Do you need more experience developing and optimizing acquisition methods for your applications? 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	Onsite	4 days		Request quote
LCMS-MULTI-2201c	Agilent LC/MS System Troubleshooting and Maintenance Produce high quality data from your Agilent LC/MS by learning how best to maintain and troubleshoot your instrument. Minimize your instrument downtime to maximize your investment. – Utilize Lab Advisor to keep your LC system in top performance condition – Gain confidence excuting routine maintenance on your LC/MS system – Recognize and troubleshoot common LC and MS issues	Classroom	2 days	2,000	\$3,200/ \$4,060

LC/MS Chromatography Courses

Self-Paced eLearning Courses

Course Number	Course Name	
LCMS-0GEN-1000s	Fundamental Principles of Liquid Chromatography with Mass Spectrometry	ePass subscription
LCMS-0GEN-2000e	Principles of LC/Time of Flight Mass Spectrometry	ePass subscription
LCMS-0GEN-2001e	Spectral Interpretation for Liquid Chromatography Mass Spectrometry	ePass subscription
LCMS-0GEN-2010e	Technical Overview of a LC/Quadrupole Time of Flight Mass Spectrometer	ePass subscription
LCMS-0GEN-2090rV2	Principles of Method Development for LC/MS	ePass subscription
LCMS-0GEN-3060s	Analysis of Calibration Curve Models for LC/MS/MS	ePass subscription
LCMS-6100-1101e	Tuning Agilent Single Quadrupole LC/MSD Systems in OpenLab CDS	ePass subscription
LCMS-6100-1102e	Tuning Agilent Single Quadrupole LC/MSD iQ System in OpenLab CDS	ePass subscription
LCMS-6100-1120z	InfinityLab LC/MSD Data Acquisition and Analysis	ePass subscription
LCMS-6100-2120s	Agilent LC/MSD iQ: How to Build Acquisition Methods Using Auto Acquire and Advanced Acquire in OpenLab CDS	ePass subscription
LCMS-6100-2121s	How to Build OpenLab CDS Acquisition Methods for Agilent LC/MSD and MSD XT Systems	ePass subscription
LCMS-6400-1000p	Agilent 6400 Series with MassHunter Personal Learning Plan	ePass subscription
LCMS-6400-1120e	Create and Run an Acquisition Method for Agilent 6400 Series TQ LC/MS	ePass subscription
LCMS-6400-1120sV2	Tune and Calibrate Agilent 6400 Series Triple Quadrupole LC/MS with MassHunter Acquisition (Ver. 10.0)	ePass subscription
LCMS-6400-1120z	Agilent 6400 Series Triple Quadrupole LC/MS eFamiliarization	ePass subscription
LCMS-6400-1201s	Essential Housekeeping Tasks and Best Practices for Agilent 6400 Series LC/TQ	ePass subscription
LCMS-6400-2120e	MRM Acquisition Technique in Agilent 6400 Series Triple Quadrupole LC/MS	ePass subscription
LCMS-6400-2130r	Analysis of QQQ LC/MS Data Using MassHunter Qualitative Analysis (Ver. B.07)	ePass subscription
LCMS-6400- 2150r	Agilent 6400 Series MassHunter Quantitation – How to Build a MassHunter Quantitation Method (Ver. B06/B.07/B.08)	ePass subscription
LCMS-6400- 2151r	Agilent 6400 Series MassHunter Quantitation – Refining Your MassHunter Quantitation Method (Ver. B.06/B.07/B.08)	ePass subscription
LCMS-6500-2130s	Analysis of Q-TOF LC/MS Data Using MassHunter Qualitative Analysis (Ver. B.07.02)	ePass subscription
LCMS-6500-2136s	Data Preparation for High Resolution LC/MS with MassHunter Profinder	ePass subscription
LCMS-MH-1131z	MassHunter Qualitative Analysis for Accurate Mass LC/MS Data (Ver. B.08.00)	ePass subscription

LC/MS Chromatography Courses

Course Number	Course Name	
LCMS-MH-1140zV2	MassHunter Quantitative Analysis eFamiliarization (Ver. B.09)	ePass subscription
LCMS-MH-1150z	MassHunter Quantitative Analysis LC/Q-TOF Screener Tool eFamiliarization (Ver. 10.1)	ePass subscription
LCMS-MH-1151e	Batch Processing Operations in MassHunter Quantitative Analysis	ePass subscription
LCMS-MH-2152scV2	How to Build a New Quantitative Method from MRM Data in MassHunter Quantitative Analysis with Cloud Laboratory (Ver. 12.0)	ePass subscription
LCMS-MH-2320e	Target Plus Impurities Oligonucleotide Workflow in MassHunter BioConfirm (Ver. 12.1)	ePass subscription
LCMS-MULTI-2270s	Troubleshooting Series for Agilent LC/MS Instruments	ePass subscription
LCMS-OLII-2102e	Agilent LC/MSD OpenLab CDS MS Processing Method Overview (Ver. 2.5)	ePass subscription
LCMS-OLII-2130e	Create a NIST LC/MS Library for Agilent OpenLab CDS (Ver. 2.6)	ePass subscription
LCMS-OLII-2131e	Agilent LC/MSD OpenLab CDS: Create a Targeted Screening Processing Method with Confirmation ID (Ver. 2.6)	ePass subscription
LCMS-OLII-2150scV2	Agilent LC/MSD OpenLab CDS MS Sample Purity Determination with Cloud Laboratory (Version 2.8)	ePass subscription
LCMS-OLII-2151e	Agilent LC/MSD OpenLab CDS: Create a Quantitative Processing Method with SIM Data (Ver. 2.5)	ePass subscription
LCMS-OLII-2152e	Agilent LC/MSD OpenLab CDS: Quantitative Data Review and Reprocessing with SIM Data (Ver. 2.5)	ePass subscription
LCMS-OLII-3130e	Agilent OpenLab CDS Mass Spectral Deconvolution	ePass subscription
LCMS-OLIII-2101r	OpenLab 2.1 Application Workflows for Agilent 6100 Series SQ LC/MS	ePass subscription
LCMS-QQQ-2122e	Dynamic MRM Acquisition Technique in Agilent Triple Quadrupole LC/MS Systems (Ver. 12.0)	ePass subscription
LCMS-QQQ-2123e	How to Tune the Agilent 6495D LC/TQ in MassHunter Acquisition (Ver. 12.1)	ePass subscription
LCMS-ULTV-1120s	Tune and Calibrate Agilent Ultivo LC/TQ with MassHunter Acquisition (Ver. 1.1)	ePass subscription
LCMS-ULTV-1200s	Essential Housekeeping Tasks and Best Practices for Agilent Ultivo LC/TQ	ePass subscription
LCMS-ULTV-2120e	MRM Acquisition Technique in Agilent Ultivo Triple Quadrupole LC/MS	ePass subscription

LC/MS Chromatography Courses

Virtual Instructor-Led Courses

Course Number	Course Name	Training Credits	USD/CDN*
LCMS-6400-2109b	Agilent 6400 Series and Ultivo LC/TQ Techniques and Operation with MassHunter Workstation	4,000	\$6,400/\$8,120
LCMS-6500-2100b	Agilent 6500 Series Q-TOF LC/MS Techniques and Operation for Small Molecule Virtual Course	4,000	\$6,400/\$8,120

Spectroscopy Courses



Classroom/Onsite Courses					
Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
AA-FLM-2000c	Techniques of Flame AA Spectroscopy This 3-day, hands-on classroom course covers everything you need to know to become a skilled Flame AA analyst. Discover how to build effective analysis worksheets, rapidly develop and refine methods, avoid chemical interferences and sample reruns, and cruise through data review. This course is for anyone using an Agilent Flame Atomic Absorption system running on SpectrAA software.	Onsite	3 days	1,500	\$2,400/\$3,045
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 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
ICPMS-7900-2100c	Agilent 7850/7900 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	\$5,120/\$6,496
		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 MassHunter software. Some advanced topics, such as laser ablation, direct organic solvent sampling, and chromatography sample introduction are introduced.	Onsite	4 days		Request quote

Spectroscopy Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
ICPMS-8900-2100c	Agilent 8900 ICP-MS Techniques and Operation This hands-on course provides a comprehensive overview of the Agilent 8900 Triple Quadrupole ICP-MS system, along with the fundamentals of the ICP-MS Triple Quadrupole technique and Agilent MassHunter software.	Classroom	4 days	3,200	\$5,120/\$6,496
		Onsite			Request quote
ICPOES-5100-2000c	Agilent 5100 Techniques for Simultaneous ICP-OES The course covers sample handling, method creation and optimization, overcoming interferences for better accuracy and precision, and tips to reduce analysis time. Routine troubleshooting and maintenance is also covered, along with various resources that can be used to ensure optimum performance of your Agilent 5100 or 5110 ICP-OES systems using ICP Expert software.	Onsite	3 days	1,800	Request quote
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	\$2,880/\$3,654
		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

Spectroscopy Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
MPAES-0GEN-2000c	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 into the novel Microwave Plasma world with 11 exciting hands-on laboratory exercises.	Onsite	3 days		Request quote

Spectroscopy Courses

Self-Paced eLearning Courses		
Course Number	Course Name	
ICPMS-0GEN-1000e	Introduction to Atomic Spectrometry for ICP-MS Analysts	ePass subscription
ICPMS-0GEN-1010eV2	Introduction to ICP-MS	ePass subscription
ICPMS-0GEN-1020eV2	Agilent 7850/7900/8900 ICP-MS Hazards and Safety Practices	ePass subscription
ICPMS-0GEN-1021e	Agilent ICP-MS with MassHunter: Daily Acquisition Tasks	ePass subscription
ICPMS-0GEN-1030eV2	Agilent ICP-MS Analysis Considerations	ePass subscription
ICPMS-0GEN-2180e	Agilent ICP-MS with MassHunter: An Introduction to Batches (Ver. 4.5)	ePass subscription
ICPMS-0GEN-2201e	Agilent ICP-MS with MassHunter: Troubleshooting Sensitivity and Startup Issues	ePass subscription
ICPMS-0GEN-2202e	Agilent ICP-MS with MassHunter: Troubleshooting Vacuum and Plasma Ignition Issues	ePass subscription
ICPMS-7900-1000eV2	Agilent 7850/7900 ICP-MS System Overview	ePass subscription
ICPMS-7900-1000p	Your Personalized Learning Path for the Agilent 7900 ICP-MS	ePass subscription
ICPMS-7900-1020e	Agilent 7800/7900 ICP-MS with MassHunter: Startup Tasks (Ver. 4.6)	ePass subscription
ICPMS-7900-1120e	Agilent 7800/7900 ICP-MS with MassHunter: Tuning (Ver. 4.6)	ePass subscription
ICPMS-7900-1121e	Agilent 7850/7900 ICP-MS with MassHunter: Tuning (Ver. 5.1)	ePass subscription
ICPMS-7900-2121e	Agilent 7800/7900 ICP-MS with MassHunter: Interference Management (Ver. 4.6)	ePass subscription
ICPMS-7900-2122e	Agilent 7800/7900 ICP-MS with MassHunter: Interference Management (Ver. 5.1)	ePass subscription
ICPMS-7900-2181e	Agilent 7800/7900 ICP-MS with MassHunter: Batch Details (Ver. 4.5)	ePass subscription
ICPMS-8900-1000e	Agilent 8900 Triple Quadrupole ICP-MS with MassHunter: System Overview	ePass subscription
ICPMS-8900-1020e	Agilent 8900 Triple Quadrupole ICP-MS with MassHunter: Startup Tasks	ePass subscription
ICPMS-8900-1120e	Agilent 8900 ICP-MS with MassHunter: Introduction to Tuning (Ver. 4.6)	ePass subscription
ICPMS-8900-1121e	Agilent 8900 ICP-MS with MassHunter: Tune Features (Ver. 4.6)	ePass subscription
ICPMS-8900-1122e	Agilent 8900 ICP-MS with MassHunter: Introduction to Tuning (Ver. 5.1)	ePass subscription
ICPMS-8900-1123e	Agilent 8900 ICP-MS with MassHunter: Tune Features (Ver. 5.1)	ePass subscription
ICPMS-8900-2121e	Agilent 8900 ICP-MS with MassHunter: Interferences Management (Ver. 4.6)	ePass subscription

Spectroscopy Courses

Course Number	Course Name	
ICPMS-8900-2122e	Agilent 8900 ICP-MS with MassHunter: Interferences Management (Ver. 5.1)	ePass subscription
ICPMS-MH-1100e	Agilent ICP-MS with MassHunter: Introduction to ICP-MS MassHunter Workstation (Ver. 4.5)	ePass subscription
ICPMS-MH-1101e	Agilent ICP-MS with MassHunter: Introduction to ICP-MS MassHunter Workstation (Ver. 5.1)	ePass subscription
ICPMS-MH-1105eV2	Agilent ICP-MS with MassHunter Configuration and Startup Tasks (5.2)	ePass subscription
ICPMS-MH-1130e	Agilent ICP-MS with MassHunter: Data Analysis (Ver. 4.5)	ePass subscription
ICPMS-MH-1160e	Agilent ICP-MS with MassHunter: Data Analysis (Ver. 5.1)	ePass subscription
ICPMS-MH-2100sc	Agilent ICP-MS with MassHunter Acquisition with Cloud Lab (Ver. 5.1)	ePass subscription
ICPMS-MH-2100scV2	Agilent ICP-MS with MassHunter Acquisition with Cloud Lab (Ver. 5.2)	ePass subscription
ICPMS-MH-2131e	Agilent ICP-MS with MassHunter: Intelligent Sequencing	ePass subscription
ICPMS-MH-2185e	Agilent ICP-MS with MassHunter: Introduction to Batches (Ver. 5.1)	ePass subscription
ICPMS-MH-2186e	Agilent ICP-MS with MassHunter: Batch Details (Ver. 5.1)	ePass subscription
ICPMS-MULTI-2130e	Agilent ICP-MS with MassHunter: Integrated Sample Introduction System (ISIS3)	ePass subscription
ICPMS-MULTI-2200e	Agilent ICP-MS with MassHunter: System Maintenance	ePass subscription
ICPOES-0GEN-1000e	Agilent ICP-OES Essentials: Introduction to Atomic Spectroscopy	ePass subscription
ICPOES-0GEN-1010e	Agilent ICP-OES Essentials: Introduction to ICP-OES	ePass subscription
ICPOES-0GEN-1020e	Agilent ICP-OES Essentials: ICP-OES Hazards and Safety Practices	ePass subscription
ICPOES-5110-1200e	Agilent 5110 ICP-OES Instrumentation Overview	ePass subscription
ICPOES-5110-2121e	Agilent 5110 ICP-OES Common Interferences and Correction Choices	ePass subscription
ICPOES-5900-1200e	Agilent 5800/5900 ICP-OES with ICP Expert: Instrumentation Overview	ePass subscription
ICPOES-EX-1100e	Agilent 5110 ICP Expert Software Part 1 (Ver. 7.4)	ePass subscription
ICPOES-EX-1101e	Agilent 5110 ICP Expert Software Part 2 (Ver. 7.4)	ePass subscription
ICPOES-EX-1130e	Agilent 5000 Series ICP-OES: Introduction to ICP Expert Software (Ver. 7.5)	ePass subscription
ICPOES-EX-1131e	Agilent 5000 Series ICP-OES: Method Development in ICP Expert for Sample Acquisition (Ver. 7.5)	ePass subscription
ICPOES-EX-1230e	Agilent 5000 Series ICP-OES with ICP Expert: IntelliQuant Analysis (Ver. 7.5)	ePass subscription

Spectroscopy Courses

Course Number	Course Name	
ICPOES-Expert-2100sc	Agilent 5100/5110 ICP-OES with ICP Expert Acquisition and Quantification with Cloud Lab	ePass subscription
ICPOES-MULTI-1120e	Agilent ICP-OES with ICP Expert: Daily Checks for Optimal Performance	ePass subscription
ICPOES-MULTI-2121e	Agilent 5000 Series ICP-OES Common Interferences and Correction Choices	ePass subscription
ICPOES-MULTI-2200e	Agilent 5000 Series ICP-OES Maintenance and Tips for Optimal Performance	ePass subscription
ICPOES-MULTI-2210e	Agilent 5000 Series ICP-OES Troubleshooting System Issues	ePass subscription
UVVIS-0GEN-1080z	Agilent Cary UV-Vis: Choosing Cuvettes and Solvents	ePass subscription
UVVIS-3500-1200zV2	Agilent Cary UV-Vis: Hardware Overview	ePass subscription
UVVIS-3500-1201z	Agilent Cary 3500 UV-Vis: Hardware Components Installation Guide	ePass subscription
UVVIS-3500-2190z	Agilent Cary 3500 UV-Vis: Temperature Probes Installation and Care	ePass subscription
UVVIS-3500-2200z	Agilent Cary 3500 UV-Vis: System Maintenance	ePass subscription
UVVIS-3500-2260z	Agilent Cary 3500 UV-Vis: Changing the Engine Lamp Assembly	ePass subscription
UVVIS-3500-2801e	Agilent Cary UV Workstation: Introduction to OpenLab Control Panel	ePass subscription
UVVIS-3500-2802e	Agilent Cary UV Workstation: Compliance Analysis and Content Management	ePass subscription
UVVIS-MULTI-1100s	Basics of UV-Visible Spectroscopy	ePass subscription
UVVIS-UVW-1100z	Agilent Cary UV Workstation: Software Overview	ePass subscription
UVVIS-UVW-1120z	Agilent Cary UV Workstation: Create and Run a Method	ePass subscription
UVVIS-UVW-1130z	Agilent Cary UV Workstation: Analyze the Data	ePass subscription
UVVIS-UVW-1260z	Agilent Cary UV Workstation: System Validation Tests	ePass subscription
UVVIS-UVW-2120z	Agilent Cary UV Workstation: Advanced Methods Setup	ePass subscription
UVVIS-UVW-2130z	Agilent Cary UV Workstation: Advanced Data Analysis	ePass subscription
UVVIS-UVW-2270z	Agilent Cary 3500 UV-Vis: Troubleshooting Guide	ePass subscription

Software and Informatics Courses



Classroom/Onsite Courses

Course Number	Course Name and Description	Delivery Type	Length	Training Credits	USD/CDN*
SI-7697A-2100c	Agilent 7697A Headspace Operation Learn how to operate and maintain the Agilent 7697A headspace sampler using Agilent OpenLab CDS ChemStation Edition software and the headspace built-in diagnostic tests. – Discuss the theory and operation of the Agilent 7697A Headspace Sampler – Construct a data acquisition method using both the instrument keypad and the add-on control software – 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 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	\$6,400/\$8,120
		Onsite			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-1100c	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 – Set up 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-1800c	OpenLab CDS Control Panel Administration Have you recently installed or 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. – Give your staff access to the software features they need by creating 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, in Control Panel, Acquisition, and Data Analysis – Learn to navigate your Content Management user interface – Know your backup options and troubleshooting areas	Onsite	1 day		Request quote

Software and Informatics Courses

Self-Paced eLearning Courses		
Course Number	Course Name	
SW-0GEN-1820e	Compliance Training Modules: Logon and Password	ePass subscription
SW-0GEN-1821e	Compliance Training Modules: Definitions and Terminology	ePass subscription
SW-ECM-0001r	Understanding ECM File Management	ePass subscription
SW-ECM-0002r	Understanding ECM XT File Management	ePass subscription
SW-ECM-1800sV2	OpenLab CDS ECM XT User/Operator Training (Ver. 2.3)	ePass subscription
SW-MH-0001s	Preparing for Your MassHunter Networked Workstation OpenLab Server/ECM XT Installation Engagement	ePass subscription
SW-MH-1820z	MassHunter Quantitative Analysis Compliance Overview	ePass subscription
SW-MH-1821zs	MassHunter Quantitative Analysis Compliance Security – Starter	ePass subscription
SW-MH-1822zs	MassHunter Quantitative Analysis Compliance – Audit Trail – Starter	ePass subscription
SW-MH-1823zs	MassHunter Quantitative Analysis Compliance Users and Groups	ePass subscription
SW-MH-1824zs	MassHunter Quantitative Analysis Compliance – Audit Trail Map (ATM) – Starter	ePass subscription
SW-MH-1825z	MassHunter Quantitative Analysis Compliance – Excel-based Report Security – Starter	ePass subscription
SW-MH-2160r	MassHunter Quantitative Analysis Basic Reporting (Ver. B.07)	ePass subscription
SW-MH-2820zs	MassHunter Quantitative Analysis Compliance – Advanced Topics	ePass subscription
SW-MH-3160zs	MassHunter Quantitative Analysis QRS (Ver. B.07)	ePass subscription
SW-MH-3170s	MassHunter Report Builder for Quantitative Analysis (Ver. 10.2)	ePass subscription
SW-MH-3171r	MassHunter Qualitative Analysis Report Template Customization (Ver. B.07)	ePass subscription
SW-MH-3171s	MassHunter Excel Quantitative Report Customization Recorded Lecture Series (Ver. B.07)	ePass subscription
SW-MH-3172zs	Insider Secrets to LINQ Query Customization	ePass subscription
SW-MPP-1131z	Mass Profiler Professional Training Videos	ePass subscription
SW-MPP-1132z	Using MassHunter Profinder to Prepare Data	ePass subscription
SW-OL-1100zs	Agilent OpenLab CDS ChemStation Software eFamiliarization (Ver. C.01.07)	ePass subscription
SW-OL-1130z	OpenLab CDS ChemStation Edition: Data Analysis Workflows	ePass subscription

Software and Informatics Courses

Course Number	Course Name	
SW-OL-1800z	OpenLab CDS ChemStation Edition: Shared Services Introduction	ePass subscription
SW-OL-2170z	OpenLab CDS ChemStation Edition: Introduction to Intelligent Reporting	ePass subscription
SW-OLII-0001sV2	Preparing for Your OpenLab CDS Client/Server Installation Engagement	ePass subscription
SW-OLII-0003r	Enable Your Compliance Workflow with OpenLab CDS	ePass subscription
SW-OLII-0004s	OpenLab CDS Client/Server Pre-Installation Essentials for Operators (Ver. 2.4)	ePass subscription
SW-OLII-0005r	Understanding OpenLab Server File Management	ePass subscription
SW-OLII-0006s	Preparing for Your Migration from OpenLab CDS ChemStation Edition to OpenLab CDS	ePass subscription
SW-OLII-1100zs	Agilent OpenLab CDS Software eFamiliarization (Ver. 2.1)	ePass subscription
SW-OLII-1100zsV4	Agilent OpenLab CDS eFamiliarization (Ver. 2.6)	ePass subscription
SW-OLII-1101e	Navigating the Transition: ChemStation vs. OpenLab CDS – Unveiling Key Differences	ePass subscription
SW-OLII-1810e	OpenLab Control Panel Administration	ePass subscription
SW-OLII-1820eV2e	OpenLab CDS Compliance Features – Activity Logs and Audit Trails	ePass subscription
SW-OLII-2140eV3	OpenLab CDS Processing Method – Integration Parameters (Ver. 2.7)	ePass subscription

Compliance Management Courses



Self-Paced eLearning Courses

Course Number	Course Name	
CM-0GEN-1003e	Compliance Training Modules: ALCOA and ALCOA Plus Principles	ePass subscription
CM-0GEN-1004e	Compliance Training Modules: Good Documentation Practice	ePass subscription
CM-0GEN-1005e	Compliance Training Modules: Roles and Privileges	ePass subscription
CM-0GEN-1006e	Compliance Training Modules: Audit Trails	ePass subscription
CM-0GEN-1007e	Compliance Training Modules: Electronic Signatures	ePass subscription
CM-0GEN-1008e	Compliance Training Modules: Difference Between Qualification and Validation	ePass subscription

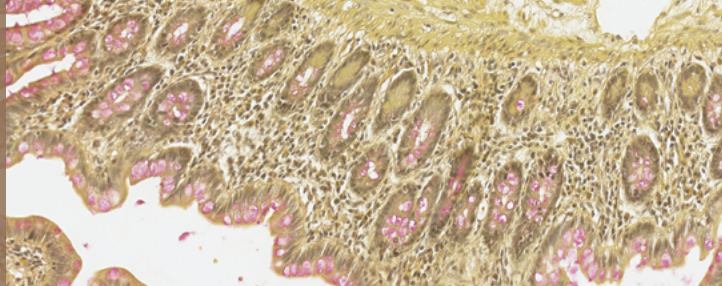
Vacuum Courses



Classroom/Onsite Courses

Course Number	Course Name and Description	Delivery Type	Length	USD/CDN*
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	2 days	Request quote
VAC-0GEN-1210c	Vacuum System Troubleshooting and Introduction to Leak Detection 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	Request quote

Cell Analysis Courses



Self-Paced eLearning Courses		
Course Number	Course Name	
ACEA-XCLL-2100r	xCELLigence Real-Time Cell Analysis: Vaccine and Virology Applications	ePass subscription

Lab Courses



Self-Paced eLearning Courses

Course Number	Course Name	
LAB-0GEN-1100r	Electronic Balance Basics	ePass subscription
LAB-0GEN-1101r-1101r	Class A Volumetric Pipettes	ePass subscription
LAB-0GEN-1102r	Volumetric Micropipettes	ePass subscription

Sample Prep Courses



Self-Paced eLearning Courses

Course Number	Course Name	
SP-0GEN-1000e	Introduction to Sample Preparation Techniques	ePass subscription
SP-0GEN-1001e	Introduction to Agilent Sample Preparation Products	ePass subscription
SP-FLT-1000e	Introduction to Filtration	ePass subscription
SP-PEST-2090r	Sample Preparation Protocol for the Analysis of Pesticide Residues in Food Matrices	ePass subscription
SP-PFAS-2090r	Sample Preparation Protocol for the Analysis of PFAS in Drinking and Surface Water	ePass subscription
SP-QRS-1100zs	Sample Preparation Using QuEChERS	ePass subscription
SP-QRS-2100z	Advanced QuEChERS Method Development	ePass subscription
SP-SPE-2000z	Simple Approaches to SPE Method Development	ePass subscription
SP-SPE-2100z	Tips and Tricks and Tools for Selecting, Developing, and Implementing Simple and Successful Solid Phase Extraction	ePass subscription
SP-SPME-1000e	Introduction to Solid Phase Microextraction	ePass subscription
SP-VET-2090r	A Sample Preparation Protocol for the Analysis of Multiclass Veterinary Drugs in Meat Matrices	ePass subscription
SPEC-0GEN-1015e	Trace Metals Analysis Considerations for ICP-OES and ICP-MS Laboratories	ePass subscription

Dissolution Courses



Self-Paced eLearning Courses

Course Number	Course Name	
DISS-0GEN-2060e	Aberrant Data Investigation	ePass subscription
DISS-0GEN-2090e	Dissolution and the Analytical Method Transfer	ePass subscription
DISS-0GEN-2091e	The Verification of Automated Dissolution Methods	ePass subscription
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