

CUSTOMER TRAINING AND WORKSHOPS

UL University Fire Safety Training Programs

For more than 100 years, Underwriters Laboratories® has provided technical expertise to manufacturers in 104 countries to help them build safer products for their customers.

UL University expands upon UL's commitment to quality and safety by creating an exceptional learning experience for our customers through dynamic delivery options, innovative course design and content, led by world-class instructors.

As an ISO 9000 registered function of UL, UL University offers a broad range of subject matter with flexible content delivery that meets the needs of virtually any organization in the world. Through a combination of facilitated workshops, offered both publicly and privately, online training, books and videos, and personnel certification programs, UL University's educational solutions provide first hand, real time, industry critical information. Our programs not only cover ULC and UL Standards, but also address specific topics intended to help customer and constituents create and/or install safe products, increase efficiency and provide a faster time to market.

Public workshops and private, customized courses

Signal Receiving Centre Burglar Alarm Systems and Operations - CAN/ULC-S301-09

This half-day workshop for safety standard CAN/ULC-S301-09 focuses on teaching new and existing listees, monitoring station personnel, alarm installation companies, property management and insurance underwriters the requirements and intricacies of building and operating a ULC listed monitoring station with the Standard for Signal Receiving Centre Burglar Alarm Systems and Operations, CAN/ULC-S301-09.

Each participant who attends this course will receive a copy of the CAN/ULC-S301-09 Standard to facilitate note taking and utilization as a reference guide.

For detailed information and to register for this course, visit

<http://www.uluniversityca.com/catalog/display.resource.aspx?resourceid=119176>.



Installation and Classification of Burglar Alarm Systems for Financial and Commercial Premises, Safes and Vaults: CAN/ULC-S302

This half-day workshop for safety standard CAN/ULC-S302 focuses on teaching new and existing customers, alarm installation companies, property management employees and insurance underwriters the requirements and intricacies of building and operating a ULC listed monitoring station in accordance with the Standard for Installation and Classification of Burglar Alarm Systems for Financial and Commercial Premises, Safes and Vaults: CAN/ULC-S302.

Each participant who attends this course will receive a copy of the CAN/ULC-S302-M91 Standard to facilitate note taking and utilization as a reference guide.

For detailed information and to register for this course, visit

<http://www.uluniversityca.com/catalog/display.resource.aspx?resourceid=119250>.

Installation and Services for Fire Signal Receiving Centres and Systems: CAN/ULC-S561

This one-day workshop for safety standard CAN/ULC-S561 focuses on teach new and existing listees, station operators and installers the requirements and intricacies of building, installing and monitoring ULC Certified fire alarm and sprinkler alarm systems operation in accordance with the Standard for Installation and Services for Fire Signal Receiving Centres and Systems, CAN/ULC-S561-03; First Edition, Amendments 1 and 2 and in compliance with NBC and NFC.

Each participant who attends this course will receive a copy of the CAN/ULC-S561- Standard to facilitate note taking and utilization as a reference guide.

For detailed information and to register for this course, visit

<http://www.uluniversityca.com/catalog/display.resource.aspx?resourceid=101341>.

FCIA Education Program

Presented by the Firestop Contractors International Association (FCIA), this three-hour program provides a thorough understanding of firestop systems installation protocol and is an excellent preparatory course for the UL Qualified Firestop Contractor DRI Examination. Topics include: codes, standards, best practices, quality assurance, firestop systems understanding and application of material and product types.

For detailed information and to register for this course, visit

<http://www.uluniversityca.com/catalog/display.resource.aspx?resourceid=113856>.

Firestop Industry Examination

The UL Qualified Firestop Contractor examination is designed to assess knowledge of the FCIA Manual of Practice, the UL Fire Resistance Directories, and the UL Qualified Firestop Contractor program requirements. The examination is a three-hour, open book, proctored written examination. For successful completion of the examination, individuals must obtain a correct score of 80% or better.

For detailed information and to register for this course, visit

<http://www.uluniversityca.com/catalog/display.resource.aspx?resourceid=101636>.

Online training

Comprehensive Fire Protection Approach

This online course is designed to improve fire safety through applying understanding of a comprehensive fire protection approach. The course focuses on the following topics:

- A comprehensive approach because no one element can ensure complete fire protection
- Commercial occupancies, as it is these occupancies that are most strictly regulated by building, life safety and fire codes

For detailed information and to register for this course, visit

<http://www.uluniversityca.com/catalog/display.resource.aspx?resourceid=128435>.

Fire Behavior in a Single Family Occupancy

This course uses observation and analysis of fire tests and resultant data to illustrate the value, application and potential limitations of fire test methods, instruments and equipment. Scenarios and case studies enable participants to evaluate fire behavior during the tests and to understand how that data applies to real-life fires. Participants will learn how individual items affect fire behavior including fire detection and firefighting equipment (smoke detectors, CO detectors, sprinklers) and room size and layout (ceiling height, doorways, windows).

Analysis and discussion of test results will enable participants to evaluate and interpret those results, and apply them to real-life fires.

For detailed information and to register for this course, visit

<http://www.uluniversityca.com/catalog/display.resource.aspx?resourceid=173444>.

Introduction to Fire Alarm Systems for Canadian Enforcement Officials – CAN/ULC-S524

This three and a half hour online course will focus on fire alarm systems and fire alarm system components in relation to the Building Code, with an emphasis towards the proper application of the requirements of CAN/ULC-S524 Standard for the Installation of Fire Alarm Systems.

For detailed information and to register for this course, visit

<http://www.uluniversityca.com/catalog/display.resource.aspx?resourceid=187743>.

Performance of Special Extinguishing Agents for Firefighter Use

This one-hour presentation is based on a research study to evaluate the performance and effectiveness of special extinguishment agents in firefighting of residential structural fires. This presentation will evaluate the fire performance of various special agents including wetting agents and Class A foams and compare their performance to that of a baseline, traditional water application.

For detailed information and to register for this course, visit

<http://www.uluniversityca.com/catalog/display.resource.aspx?resourceid=188205>.

Residential Fire Modeling

This course uses data from fire tests in single-family occupancies to enable firefighters to effectively evaluate and analyze results from computational fire models, such as the Fire Dynamics Simulator (FDS). By viewing expert perspectives, understanding how computational models are constructed, and comparing the results to actual fire tests, participants will learn the benefits, applications and limitations of fire modeling.

Participants will apply data from fire scenarios to FDS, to understand how different conditions may affect the outcome of an actual fire. Participants also will be introduced to different types of fire tests, with explanations of their application and reliability.

For detailed information and to register for this course, visit

<http://www.uluniversityca.com/catalog/display.resource.aspx?resourceid=173449>.

Structural Stability of Engineered Lumber in Fire Conditions

This two-hour presentation summarizes a research study on the hazards posed to firefighters by the use of lightweight construction and engineered lumber in floor and roof designs. This presentation will allow fire professionals to better interpret fire hazards and assess risk for life safety of building occupants and firefighters.

For detailed information and to register for this course, visit

<http://www.uluniversityca.com/catalog/display.resource.aspx?resourceid=187716>.

Hazard-Based Safety Engineering (HBSE) – Online Course

This web-based UL Hazard-Based Safety Engineering course teaches product safety design strategies in terms of fundamental engineering concepts.

For detailed information and to register for this course, visit

<http://www.uluniversity.us/catalog/display.resource.aspx?resourceid=101194>.

Additional related workshops and private, customized courses

Hazard-Based Safety Engineering (HBSE)

The two-day UL Hazard-Based Safety Engineering workshop teaches product safety design strategies in terms of fundamental engineering concepts. In this workshop you will learn the basic mechanisms by which products can cause injury to the human body. You will also learn the tools that can help you analyze those processes and determine how best to prevent the injury from occurring. You will put your skills to the test by participating in the hazard-based safety analysis of some familiar electrical products. And, you will finish the workshop prepared to address difficult product safety issues in a team-oriented rather than an adversarial manner, supported by science as well as your own experience and engineering judgment.

For detailed information and to register for this course, visit

<http://www.uluniversityca.com/catalog/display.resource.aspx?resourceid=99553>.

Introduction to Functional Safety and IEC 61508

As a product design/safety professional, or perhaps as a manager of your company's product engineering processes, you may have struggled at times balancing your product's safety requirements and guidelines against other important parameters, such as usability, cost, and customer satisfaction.

This one and a half-day workshop presents basic functional safety concepts and introduces a safety lifecycle process to support the development of a standards-based functional safety framework for product design.

For detailed information and to register for this course, visit

<http://www.uluniversityca.com/catalog/display.resource.aspx?resourceid=190858>.

Designing for Compliance to UL 60079 Intrinsic Safety

Electrical devices and systems considered “intrinsically safe” operate at an energy level deemed low enough to prevent arcs, sparks or heat (during normal or fault conditions), that could ignite a potentially explosive environment.

In this comprehensive one-day workshop you will learn about the latest requirements for intrinsically safe electrical products for hazardous locations (explosive atmospheres) applications.

For detailed information and to register for this course, visit

<http://www.uluniversityca.com/catalog/display.resource.aspx?resourceid=99548>.

Plastics: Specifying and Evaluating Materials for Electrical, Electronic and Mechanical Applications

The purpose of this two-day workshop is to increase your awareness of the safety issues involved with selecting plastic materials for use in electronic and electrical products. A series of lectures and classroom exercises have been designed to enhance your skills in selecting materials for specific product applications. The knowledge you gain from this workshop will help you make better, more informed decisions regarding the selection of plastics, and help you move from the design stage to production as quickly as possible.

For detailed information and to register for this course, visit

<http://www.uluniversityca.com/catalog/display.resource.aspx?resourceid=99560>.

Test, Measurement and Laboratory Use Equipment: Designing for Compliance to UL 61010-1

If you work with laboratory equipment and/or test & measuring equipment and similar products covered by UL61010-1 and IEC 61010-1, you will add important, practical skills to your technical capabilities. This intensive, technical two-day training includes how to apply the "two levels of protection" concept, measuring creepage and clearance based on the voltages and materials involved, and selecting components of appropriate integrity for use in non-energy limiting circuits.

For detailed information and to register for this course, visit

<http://www.uluniversityca.com/catalog/display.resource.aspx?resourceid=102568>.

For more information on UL University, visit www.uluniversity.com.