

IBEW LOCAL 353



Training Course Catalogue
Fall 2025



FALL 2025 COURSE CALENDAR

REGISTRATION OPENS

Monday August 18, 2025 at 7:30am

COURSE REGISTRATION POLICY

To register for an Education and Training course, please follow the instructions below:

1. Register online at <http://tiny.cc/6y1o001> or;
2. Use the QR Code to take you to the online registration form, or;
3. Fill out the registration form and mail to:

IBEW Local 353

Fall 2025 Course Registration

Toronto Training Centre

1377 Lawrence Ave. East

Toronto, ON M3A 3P8



4. Fill out the registration form in the middle of the book, and deposit in the drop boxes at any of our training centres.

*****Please note that registrations that are received PRIOR to August 18, 2025 are drawn **lottery-style** at the end of the day*****

PHONE REGISTRATIONS ARE NOT ACCEPTED.

Registration opens Monday August 18, 2025 at 7:30am and is processed on a first-received-first-served basis.

Applications for second courses will ONLY be processed if space is available after August 28, 2025

REGISTRATION IS ON A FIRST-COME-FIRST-SERVED BASIS.

If you are interested in taking two (2) or more courses for the Fall session, please call the education and training office after August 28, 2025 for available courses.

CANCELLATION POLICY

If you are unable to attend a course, or if you are going to be absent, please be courteous and contact the Education and Training department prior to the start date. This opens up space for other members to attend our programs. **If you don't notify the office prior to the start of the course, an administrative fee of \$75.00 will be levied.**

For cancellations or missed classes, please notify the Education and Training department.



416.510.5259



learning@ibew353.org



416.510.5285



<http://lu353.com/CancelAbsence.html>

APPRENTICES!

DID YOU KNOW THE NIGHT SCHOOL COURSES OFFERED AT THE HALL CAN BE USED TO ADVANCE YOUR APPRENTICESHIP HOURS?

IT'S TRUE!

IBEW 353 offers many courses that are available to ALL apprentices.

IBEW 353 has even more courses available to apprentices that have finished their STCs and have completed advanced trade school.

IBEW 353 EDUCATION AND TRAINING
**LEARN MORE,
BE MORE.**

COURSES OPEN TO ALL APPRENTICES

- Program Auto Systems – I
- Build Your Own Computer
- Fibre Optics – Level I
- Electrical Code Review
- Trade Applications
- Conduit Fabrication – Level I
- Electrical Estimating – Intro
- Intro to Thermography
- First Aid & CPR
- Basic Certification – Part I
- Overhead Catenary Systems
- Instrumentation – Level I
- Traffic Control Signal Person

COURSES OPEN TO SENIOR APPRENTICES

- A.C. Motor Control – Level I
- Traffic Signals
- Fire Alarm – Level I & II
- 309A Pre-Exam
- Welding Fundamentals
- EVITP



COURSE ELIGIBILITY

Courses are open to Journeypersons and Senior Apprentices who have successfully completed Advanced Trade School **unless otherwise noted in the prerequisite of the course description.**

Courses marked with an asterisk (*) are open to all members.

TEXTBOOKS AVAILABLE

The Education department has the following textbooks available for purchase at the Local Union office:

- Electricians Guide to AC Motor Control
- Electricians Guide to Conduit Bending
- Ugly's Electrical Reference Guide
- Occupational Health & Safety Act Regulations
- Canadian Electrical Safety Code
- The Illustrated Code Series Electrical

PPE

Appropriate personal protective equipment (PPE) must be worn for all courses.

COURSE AMENDMENTS

Any requests for amendments to the final marks and standing shall be made no later than the end of the next semester.

COURSE REIMBURSEMENT

Members who enroll in trade related courses other than those offered by the Local may be eligible to have the course fee reimbursed under the following guidelines:

- The application form must be completed in FULL.**
- Include a course outline, proof of payment and proof of successful completion and/or attendance.
- The course must be trade related as determined by the Education Committee.
- The applicant will be reimbursed when the following requirements are met:
 - Attending 80% of the course program
 - Successful completion
 - Any pre-exam course applicant must write and pass that specific exam (and provide proof such as a copy of your license).

There is a ceiling of \$250.00 per calendar year. Reimbursement applications are available at the Local Union Office reception or through the education department. **It takes approximately 4 – 8 weeks to process requests. They are approved on a monthly basis by the Education Committee.**

From the Director's Desk

Welcome from Susan Boorman, Director of Education and Training

Our Fall 2025 course catalogue features a variety of new courses, look for the NEW banner next to course titles to easily spot them. Over the past year, our Education and Training team has worked diligently to bring these new courses to the membership.

We have courses available in a variety of formats; on-line, a blend of in-class and on-line, in class both on evenings and Saturdays. We've designed our schedule to fit better around your work and personal commitments.

As members, these education and training opportunities are made for you – and we encourage you to take full advantage of what we have to offer across our four (4) training centres.

As a token of recognition, we continue to award an IBEW 353 Education and Training Challenge Coin to any member who successfully completes a course. The coin is sent to you along with your certificate of completion. Please note: each member is eligible for one challenge coin, not one per course.



Susan Boorman
Director of Education and Training
IBEW Local 353



IBEW 353 Education and
Training Challenge Coin

EDUCATION & TRAINING INFORMATION LINE (416) 510-5284

Press	For:
1	Course cancellations
2	Notices
3	Education Office
7	Repeat menu
8	Return to education menu
9	Return to main menu

EDUCATION FUND TRUSTEES

Lee Caprio Business Manager/ Financial Secretary
Jodi Hill President

LOCAL 353 EDUCATION & TRAINING CENTRES

Susan Boorman Director of Education and Training
Brent Morgan Education Coordinator
Chris Borgia Education Coordinator

Course Name	Course Start Dates						
	Pg #	Location	Mon.	Tue.	Wed.	Thu.	Sat.
309A Pre-Exam Course	10	ONLINE			Sept. 17		
A.C. Motor Control – Level I 'A'	6	Toronto	Sept. 8				
A.C. Motor Control – Level I 'B'	6	Oshawa					Oct. 18
Basic Certification – Part I	14	ONLINE	Sept. 15				
Build Your Own Computer Basics	10	Oshawa		Sept. 9			
Bystander Intervention Training 'A'	14	Toronto					Sept. 20
Bystander Intervention Training 'B'	14	Toronto	Oct. 20				
Bystander Intervention Training 'C'	14	Toronto					Nov. 15
Bystander Intervention Training 'D'	14	Toronto	Dec. 15				
Certification – Refresher	15	ONLINE		Dec. 2			
Certification Part II – Construction Sector Program	15	ONLINE			Sept. 17		
Computerized Electrical Estimating	13	Mississauga		Sept. 23			
Conduit Fabrication Level I 'A'	11	Toronto	Sept. 22				
Conduit Fabrication Level I 'B'	11	Oshawa		Oct. 14			
Electric Vehicle Infrastructure Training Program 'A'	13	Barrie					Sept. 6
Electric Vehicle Infrastructure Training Program 'B'	13	Mississauga					Oct. 18
Electrical Code Review	11	ONLINE		Oct. 7			
Electrical Estimating – Introduction 'A'	13	Mississauga			Sept. 17		
Electrical Estimating – Introduction 'B'	13	Oshawa				Oct. 2	
Fibre Optics - Level I 'A'	9	Toronto	Sept. 15				
Fibre Optics - Level I 'B'	9	Oshawa		Sept. 16			
Fire Alarm – Level I 'A'	8	Mississauga	Sept. 8				
Fire Alarm – Level I 'B'	8	Mississauga			Sept. 10		
Fire Alarm – Level I 'C'	8	Toronto			Sept. 17		
Fire Alarm – Level II 'A'	8	Toronto		Sept. 9			
Fire Alarm – Level II 'B'	8	BLENDED		Sept. 16			
Fire Alarm – Level III 'A'	8	Mississauga	Sept. 8				
Fire Alarm – Level III 'B'	8	Toronto		Sept. 9			
Fire Alarm – Level III 'C'	8	Barrie					Oct. 18
Fire Alarm – Level IV 'A'	9	Mississauga		Sept. 9			
Fire Alarm – Level IV 'B'	9	Toronto			Sept. 10		
Fire Alarm Certificate Renewal	9	ONLINE				Sept. 11	
First Aid and CPR 'A'	14	Toronto					Oct. 4
First Aid and CPR 'B'	14	Mississauga					Nov. 8
First Aid and CPR 'C'	14	Oshawa					Nov. 29
Fluke Networks Certified Cabling Test Technician	9	Mississauga		Sept. 23			
Instrumentation – Level I	7	Oshawa					Oct. 4
Instrumentation – Level II	7	Oshawa					Oct. 4
Introduction to Thermography	14	Mississauga				Sept. 25	
Masters License – Pre-Exam	11	ONLINE	Sept. 29				
Networking – Level II	10	Toronto		Sept. 9			
Ontario Traffic Manual (OTM) Book 7	7	Toronto				Nov. 27	
Overhead Catenary Systems – Level I 'A'	15	Oshawa		Sept. 9			
Overhead Catenary Systems – Level I 'B'	15	Oshawa					Nov. 8
Programming Automation Systems – Level I	6	BLENDED	Oct. 20				
Programming Automation Systems – Level II	6	BLENDED			Oct. 22		
Trade Applications 'A'	11	Mississauga				Sept. 18	
Trade Applications 'B'	11	Toronto					Oct. 18
Traffic Control and Signal Person	7	Toronto				Oct. 30	
Traffic Signals	6	Toronto			Sept. 17		
Welding – Aluminum – Level I	12	Oshawa		Oct. 14			
Welding – Level I	12	Mississauga	Oct. 27				
Welding – The Fundamentals 'A'	12	Mississauga			Sept. 3		
Welding – The Fundamentals 'B'	12	Oshawa					Oct. 18

FALL 2025 COURSES

CONTROLS

A.C. Motor Control – Level I

Prerequisite – Third term Apprentice.

This course is designed to introduce the students to the development of A.C. Motor Controls and give them an understanding of their function and uses. The course content includes an in-depth study of reading basic control circuits and sequences of operation, and designing a schematic control circuit including proper layout and wiring methods.

Hands-on wiring projects include start/stop/jog, hand/off/auto, interlocking and forward/reverse applications. The students will have the opportunity to draw control circuits used in conjunction with their assignments.

The course objectives are to strengthen the students logical thinking in reading and deciphering the information in control circuits.

Course A:..... ACMC 3/25
Start Date:..... Monday September 8, 2025
Time: 6:30pm – 9:30pm
Sessions: 11
Location:..... Toronto Training Centre

Course B:..... ACMC 4/25
Start Date:..... Saturday October 18, 2025
Time: 8:30am – 3:30pm
Sessions: 6
Location:..... Oshawa Training Centre

*Programming Automation Systems – Level I

Siemens PLC

In the beginning, the student will be graded on several assignments that focus on how to interface, program, and troubleshoot a Programmable Logic Controller (PLC). The concept of program languages and structures, reading and addressing I/O, tags, logic and functions are introduced and explained, as well as more advanced signals such as analog I/O. The in-person lab will give the student a chance to program a fully functional Siemens S71200 PLC with simulated inputs and outputs.

The final gradable assignment will be on bit logic, timers, counters, data types, and watch tables for commissioning and troubleshooting a PLC system.

This is a BLENDED program where the first five (5) sessions are online, followed by a full day in-person lab [schedule agreed upon within the class].

Course No:..... PAS1 3/25
Start Date:..... Monday October 20, 2025
Time: 6:30pm – 9:30pm
Sessions: 6
Location:..... BLENDED [5 Online plus one (1) in-person shop at Oshawa Training Centre]

Programming Automation Systems – Level II

Siemens PLC

Prerequisite – Successful completion of Programming Automation Systems – Level I.

This course will challenge the student who wishes to tackle complex instructions for Programmable Logic Controllers (PLC) and Human Machine Interfaces (HMI). The lessons will teach how to work with analog and PWM for controlling frequency drives. The student will learn how to program an HMI and share data with a PLC connected over Ethernet.

The in-person lab will give the student a chance to create their own fully functional automation system consisting of a PLC, HMI, Variable Speed Drive, and motor.

This is a BLENDED program where the first five (5) sessions are online, followed by a full day in-person lab [schedule agreed upon within the class].

Course No:..... PAS2 2/25
Start Date:..... Wednesday October 22, 2025
Time: 6:30pm – 9:30pm
Sessions: 6
Location:..... BLENDED [5 Online plus one (1) in-person shop at Oshawa Training Centre]



Traffic Signals

Prerequisite – Third term Apprentice with successful completion of Intermediate trade school.

This program is designed to give the participant a general overview of the components that make up a signalized intersection, and how those components are put together to form a fully functional traffic signal installation. Safety while working in close proximity to vehicular traffic, conductors, signals, hardware and the traffic controller are just some of the topics that will be discussed. In-class instruction and demonstrations as well as practical lab assignments will give the participant a greater understanding of this unique area of our electrical industry.

In addition to the above description, participants will also receive certification in Traffic Control and Signal Person and OTM Book 7. These courses will **require two (2) Saturdays (TBD)** to complete. (Please see course descriptions on Page 7.)

Course No:..... TS1 2/25
Start Date:..... Wednesday September 17, 2025
Time: 6:30pm – 9:30pm
Sessions: 15
Location:..... Toronto Training Centre



*Traffic Control and Signal Person

This three-night program is aimed principally at workers who perform traffic control and signaling duties, along with supervisors overseeing these activities. Worker representatives looking to exercise their right to participate in ensuring safer road work would also benefit from this program.

Participants explore the extensive hazards related to road work along with safe work practices and devices designed to control exposure. They are also introduced to Ontario Traffic Manual (OTM) Book 7 (Temporary Conditions) which provides practical guidance regarding the use of traffic control devices in temporary work zones on or beside roads and highways. Hands-on practical exercises further aid in understanding safe work practices and traffic control devices such as three-way communication and directing traffic using stop/slow paddles.

Course No:..... TCSP 1/25
Start Date:..... Thursday October 30, 2025
Time:..... 6:30pm – 9:30pm
Sessions: 3
Location:..... Toronto Training Centre



Ontario Traffic Manual (OTM) Book 7

Prerequisite – Traffic Control and Signal Person program.

This three-night program is designed for worker health and safety representatives, joint health and safety committees and worker trades committees where applicable, along with road construction crew lead hands and supervisors, with either powers or obligations related to ensuring safer traffic control in temporary work zones.

There is a “Field Edition” and “Office Edition” of OTM Book 7. The “Field Edition” is intended only as a reference while in the field. The new Workers Health and Safety Centre (WHSC) OTM Book 7 training explores the “Office Edition,” which should be used to design traffic control plans, as it includes relevant details and rationale for design choices aimed at protecting workers and aiding the safe flow of traffic. As such, the new WHSC program equips participants with an understanding of fundamental principles, guidelines, and current best practices critical to the control of traffic and safety of workers in temporary work zones.

Course No:..... OTM 1/25
Start Date:..... Thursday November 27, 2025
Time:..... 6:30pm – 9:30pm
Sessions: 3
Location:..... Toronto Training Centre

WORKING AT HEIGHTS (WAH) TRAINING

Are you up to date on your WAH? WAH is good for three (3) years from the date of training. If you need training [available at all four (4) halls], please contact Raquel at Ext. 5203 to register.



*Instrumentation – Level I

Level and Flow Process Control

Using Amatrol's *Level and Flow Process Control Troubleshooting* training system, students will gain process instrumentation troubleshooting knowledge and skills at the component and system level.

Topics include: testing methods for flow valves, circulation pumps, pilot lights, process meters, and PID controllers; how to troubleshoot process instrumentation switches and relays; how to troubleshoot process sequences; hands-on in-circuit component testing; how to test and analyze process control circuit signals; using status and diagnostic indicators; and, using wiring diagrams and P&IDs in troubleshooting.

Course No:..... INS-PCT 2/25
Start Date:..... Saturday October 4, 2025
Time:..... 8:30am – 3:30pm
Sessions: 8
Location:..... Oshawa Training Centre



Instrumentation – Level II

Thermal Process Control

Prerequisite – Instrumentation – Level I

The thermal process control program allows learners to study and practice calibrating, adjusting, installing, operating and tuning thermal process control systems in industrial applications.

Topics include: basic temperature control elements; loop controllers; final control elements; temperature sensors; temperature transmitters; basic temperature controls; methods of automatic control; and, control loop performance.

Course No:..... TPC 1/25
Start Date:..... Saturday October 4, 2025
Time:..... 8:30am – 3:30pm
Sessions: 9
Location:..... Oshawa Training Centre



FIRE ALARM

Members successfully completing the Fire Alarm & Protection Systems four-level program will receive a certification card. This card is recognized by the Fire Marshall's office for performing annual tests, inspections, repairs and alterations to existing Fire Alarm Systems as outlined in the Ontario Fire Code Reg. 253/07.

Fire Alarm – Level I

Conventional Fire Alarm Control Panels and Installation of Input & Output Devices

Prerequisite – Third term Apprentice with successful completion of intermediate trade school.

This course is designed to develop your fire alarm knowledge and practice with basic fire alarm components and their function in conventional electro/mechanical systems. You will design complete systems with layout, schematic and riser diagrams from basic systems for a commercial complex – complete with related hydro, ULC and building codes that are based on CAN/ULC-S525 "Standard for Installation of Fire Alarm Systems." This program is an introduction to the fire alarm industry, classes of wiring, codes, and installation of conventional fire alarm panels and devices.

Course A:..... FAI 5/25
Start Date:..... Monday September 8, 2025
Time: 6:30pm – 9:30pm
Sessions: 14
Location:..... Mississauga Training Centre

Course B:..... FAI 6/25
Start Date:..... Wednesday September 10, 2025
Time: 6:30pm – 9:30pm
Sessions: 14
Location:..... Mississauga Training Centre

Course C:..... FAI 7/25
Start Date:..... Wednesday September 17, 2025
Time: 6:30pm – 9:30pm
Sessions: 14
Location:..... Toronto Training Centre

Fire Alarm – Level II

Integrated Fire Alarm Controls & Fire Alarm Extinguishing Control Panels

Prerequisite – Successful completion of Fire Alarm – Level I.

This course is designed to give students a complete and accurate look at the installation of a modern fire alarm system. Upon completion of this course, the journeyman electrician should be capable of installing a complete fire alarm system and all aspects related to such systems. The course references the CAN/ULC-S537 "Standard for the Verification of Fire Alarm Systems." Level II continues from the first course with the installation of EVAC panels, extinguishing systems, and fire pumps.

Course A:..... FAII 3/25
Start Date:..... Tuesday September 9, 2025
Time: 6:30pm – 9:30pm
Sessions: 14
Location:..... Toronto Training Centre

Course B:..... FAII 4/25
Start Date:..... Tuesday September 16, 2025
Time: 6:30pm – 9:30pm
Sessions: 14
Location:..... Blended [12 online plus 2 Saturday shops
..... at Mississauga Training Centre]

Fire Alarm – Level III

Troubleshooting Complete Fire Alarm Systems, Voice Communications

Prerequisites – Successful completion of Fire Alarm – Level II and a minimum 5th term Apprentice.

Previous fire alarm courses have dealt with external wiring methods. Fire Alarm Level III will take the Journeyman step-by-step into the internal workings of the fire alarm panels. This course is concerned primarily with troubleshooting techniques applied in a logical sequence and the student will be taught to identify and diagnose faults occurring on a variety of systems.

Upon completion, the student will have had the opportunity to develop proven troubleshooting and repair methods of fire alarm systems. The course references CAN/ULC-S536 "Standards for the Inspection and Testing of Fire Alarm Systems." This level deals with the operation of the fire alarm panel and focuses on system troubleshooting.

Course A:..... FAIII 3/25
Start Date:..... Monday September 8, 2025
Time: 6:30pm – 9:30pm
Sessions: 14
Location:..... Mississauga Training Centre

Course B:..... FAIII 4/25
Start Date:..... Tuesday September 9, 2025
Time: 6:30pm – 9:30pm
Sessions: 14
Location:..... Toronto Training Centre

Course C:..... FAIII 5/25
Start Date:..... Saturday October 18, 2025
Time: 8:30am – 2:30pm
Sessions: 7
Location:..... Barrie Training Centre



Fire Alarm – Level IV

**Advanced Fire Alarm Control Panels:
Addressable Digital Analog Devices**

Prerequisite – Successful completion of Fire Alarm - Level III.

This course takes the student into the world of the microprocessor-based fire alarm systems. Along with this advanced technology comes the need to change the way we think of a fire alarm as well as the way we wire, install and maintain these life safety systems. Even the classifications of field wiring have had to change.

Topics covered include:

- Binary and hexadecimal counting
- Programming of smart detection devices
- How data is transmitted
- Use of fibre optics in computerized fire alarm systems
- How to install and set up these systems

Combining all this with the hands-on learning and shop work on these new systems, the student should be able to compliantly install these state-of-the-art pieces of equipment. The course references CAN/ULC-S527 "Standards for Control Units for Fire Alarm Systems".

Course A:..... FAIV 4/25
Start Date:..... Tuesday September 9, 2025
Time: 6:30pm - 9:30pm
Sessions: 14
Location:..... Mississauga Training Centre

Course B:..... FAIV 5/25
Start Date:..... Wednesday September 10, 2025
Time: 6:30pm - 9:30pm
Sessions: 14
Location:..... Toronto Training Centre

Fire Alarm Certificate Renewal

Prerequisite – Successful completion of Fire Alarm – Level 4 or Certificate Renewal, and current CERTI-FIRE license holder.

Under the agreement with the Ontario Fire Marshall's Office, Fire Alarm Certificates must be renewed every five (5) years. This program reviews the requirements of the ULC standards, the Ontario Building Codes, OHESC and the Ontario Fire Code – with emphasis on changes to the codes and installation methods and technology. Students will receive updated code information and upon successful completion have their certification renewed for five years.

Course A:..... FA REN 2/25
Start Date:..... Thursday September 11, 2025
Time: 6:30pm - 9:30pm
Sessions: 14
Location:..... ONLINE

IBEW 353 EDUCATION AND TRAINING
LEARN MORE,
BE MORE.

TELECOMMUNICATIONS

Fluke Networks Certified Cabling Test Technician

Copper and Fibre Modules

Prerequisite – Jr. NCS or above or successful completion of Fibre Optics – Level I.

The copper module section of this program will explore the DSX-5000 CableAnalyzer™ testing, introduction and common setting of Versiv™, exporting configuration and results, and copper test limits/standards. We will also look at adapter types and configuring for a twisted pair test, as well as making a measurement and reviewing the result. Students will review new test parameters, DC resistance unbalance, TCL, ELTCTL DSX diagnostics, HDTDX and HDTDR, single test, patch cord certification and Alien Crosstalk.

The fibre module section of this program will examine the CertiFiber™Pro testing, basic fibre theory, encircled flux, configuring the CertiFiber™Pro, Fibre inspection and automated analysis. Students will also learn how to set a reference for a duplex link, LC-to-LC duplex and how to create a custom test limit. Students will review ISO/IEC 14763-3, which specifies systems and methods for the inspection and testing of installed optical fibre cabling, understanding how the connector losses differ from other standards and setting a reference for a simplex link.

Course No:..... FLK 2/25
Start Date:..... Tuesday September 23, 2025
Time: 6:30pm - 9:30pm
Sessions: 12
Location:..... Mississauga Training Centre

*Fibre Optics - Level I

In this updated program, students will learn about the world of Fibre Optics including:

- The basics of light transmission
- Safe handling procedures
- How to install connectors
- The basics of testing fibre cables

Students will also be preparing and terminating a variety of fibre connectors from top tier manufacturers. Connector styles include ST, SC, and LC used in current installations.

LSER Optimized fibre and its unique performance properties is also covered in this program. Also discussed is the important how's and why's of preparing a light budget.

When completed, the students will be able to actually apply their newly learned skills on the job.

Course A:..... FOI 2/25
Start Date:..... Monday September 15, 2025
Time: 6:30pm - 9:30pm
Sessions: 12
Location:..... Toronto Training Centre

Course B:..... FOI 2/25
Start Date:..... Tuesday September 16, 2025
Time: 6:30pm - 9:30pm
Sessions: 12
Location:..... Oshawa Training Centre

COMPUTER STUDIES

Networking – Level II

Level II for IP-based and Ethernet-based networks

Prerequisite – Network Fundamentals.

This course is designed to give IBEW Local 353 members the technical knowledge and hands-on skills to configure, verify and troubleshoot advanced Ethernet LAN and IP networks. This includes managed Ethernet switches, PoE devices, injectors and switch-ports, VLANs and IP addresses, DHCP and routing with Windows and handheld troubleshooting tools.

This course will not cover the physical installation, termination and/or certification of cabling or cable connectors.

At the end of this course, successful students will have the ability to identify and verify Ethernet, the configuration of copper and fibre optic connections; identify and verify IP networks and IP routes and DHCP settings; and configure Ethernet ports on Cisco, HP and Aruba managed switches.

Course No:..... NET2 1/25
Start Date:..... Tuesday September 9, 2025
..... ***please note – there is no class on*
..... *October 7 and 14, 2025*
Time: 6:30pm – 9:30pm
Sessions: 12
Location:..... Toronto Training Centre

***Build Your Own Computer Basics**

Ever wanted to build your own computer, for home office or gaming, but didn't know how? What parts do you use? How much cost is too much? This course is designed for everyone – regardless of your experience level. While learning about the different components, you'll gain hands-on experience by actually building a computer yourself over the weeks of the class.

Students will gain understanding and knowledge about how to identify which components to use, how and where to source them, and proper installation techniques. This course will introduce students to the excitement of the wide world of computer customization, tweaking and over clocking.

Course No:..... BYOC 1/25
Start Date:..... Tuesday September 9, 2025
Time: 6:30pm – 9:30pm
Sessions: 12
Location:..... Oshawa Training Centre

**REGISTRATION IS ON
A FIRST-COME-FIRST-
SERVED BASIS.**

**If you are interested in taking two (2) or more
courses for the Spring 2025 session, please
call the education and training office after
August 28, 2025 for available courses.**

LICENSING & CLASSIFICATION

309A Pre-Exam Course

Prerequisite – Must be a 5th term Apprentice, successfully completed all levels of trade school, and approved by the Electrical Apprentice Training Alliance.

This Pre-Exam course is designed on a proven successful model of learning how to write the C of Q and masters exam, or for that matter, any electrical trade exam. Throughout the course the apprentice will learn the “tricks of the trade” of exam writing combined with the refresher of the actual material topics such as, but not limited to, common occupational skills, installation of services, motors and controls, distribution equipment and communication systems.

After successful completion of the course, the apprentice will have demonstrated their strengths to be able to understand and communicate effectively on the “how to write an electrical exam,” with the ability for understanding, interpreting and solving the question to find the best answer.

The overall plan is to attend class with the workbook homework completely prepared. The class will then spend time analyzing the structure and details of the question and answer choices. At the end of the course, there will be a simulated comprehensive four-hour exam with detailed take-up. The apprentice will have a maximum of nine days to continue studying from the additional practice exam questions and no later than the tenth day of completing the course the apprentice will be writing a previously scheduled exam.

***Please note:** Apprentices will be required to purchase the on-line C & M Practice Exam Questions through Orderline. Apprentices will be eligible for reimbursement of this cost upon successful completion of the C of Q exam through the Education and Training fund.

Course No:..... CFQ 2/25
Start Date: Wednesday September 17, 2025
Time: 6:30pm – 9:30pm
Sessions: 12
Location:..... Online

SUPPLEMENTAL TRAINING COURSES



**DID YOU
KNOW?**

Did you know that you can take
MORE than your required 160
hours of supplemental training?
And, any additional hours can be
credited towards your apprenticeship?

**If you need to get your training hours to
your advisor, please email your request**

to: learning@ibew353.org with your IBEW card
number, your EATA reference number, and the
course you took. We'll forward your hours to you
and your advisor.

Masters License – Pre-Exam

Prerequisite – Must have a minimum of three (3) years' experience as an Ontario Journeyperson Electrician (309A, 309C, 442A) or Powerline Technician (434A) in good standing.

This review course will cover the latest Ontario Electrical Safety Code. Related topics include the Occupational Health & Safety Act (H.S.A.), Lien Act, Workers Health & Safety Act and Local Union By-laws as they apply to the Master Electrician.

*****NOTE: A COPY OF YOUR QUALIFYING LICENSE MUST BE INCLUDED WITH YOUR REGISTRATION OR IT WILL NOT BE PROCESSED [you can email separately to: learning@ibew353.org]. YOU MUST HAVE YOUR QUALIFYING LICENSE FOR A MINIMUM OF THREE (3) YEARS.*****

****ATTENDANCE (online) IS MANDATORY ON THE INTRODUCTORY NIGHT****

Course No:..... PEM 2/25
Start Date: Monday September 29, 2025
..... **see schedule below
Time:..... Weekdays – 6:30pm – 9:30pm
..... Saturdays – 9:00am – 4:00pm
Sessions: 16
Location:..... Online

Introductory Night**	Mon Sept. 29		
Session 1	Wed Oct. 15	Session 9	Sat Nov. 22
Session 2	Wed Oct. 22	Session 10	Wed Nov. 26
Session 3	Wed Oct. 29	Session 11	Sat Nov. 29
Session 4	Sat Nov. 1	Session 12	Wed Dec. 3
Session 5	Mon Nov. 3	Session 13	Sat Dec. 6
Session 6	Wed Nov. 6	Session 14	Mon Dec. 8
Session 7	Sat Nov. 8	Session 15	Wed Dec. 10
Session 8	Wed Nov. 19	ESA EXAM --- DATE TBD	

*Electrical Code Review

Electrical Code Review is designed for the participant to learn the professional method of how to use the code. This course is geared toward practical everyday use in the field using the Canadian and Ontario Electrical Safety Codes.

Using the hands-on approach of in-depth analysis of questions and answers, the participants will learn the structure and components of the Code from loading circuits, wiring methods, and equipment installation from the general use sections, as well as the specific sections of the electrical code.

Course No:..... ECR 2/25
Start Date: Tuesday October 7, 2025
Time:..... 6:30pm – 9:30pm
Sessions: 10
Location:..... Online

*Trade Applications

This review course is being sponsored by the Examining Board to assist members with reclassification and preparing for the exam.

Topics covered in this program include:

- Conduit bending and installation of EMT and rigid conduit, core line and PVC
- 3-phase power – including load balancing, 3-phase and neutrals
- Current safety and code regulations
- Grounding services and transformers
- Class of power
- Class of fuses
- Line hazards and tag and lock procedures

When complete, students will be better prepared to write the exam.

Course A:..... TRADE 3/25
Start Date:..... Thursday September 18, 2025
Time: 6:30pm – 9:30pm
Sessions: 11
Location:..... Mississauga Training Centre

Course B:..... TRADE 4/25
Start Date:..... Saturday October 18, 2025
Time: 8:30am – 3:30pm
Sessions: 6
Location:..... Toronto Training Centre

CONDUIT BENDING & FABRICATION

*Conduit Fabrication Level I

This introductory course was designed to provide members with an overview of EMT conduit bending procedures. It is intended for members who have minimal or no conduit bending skills. The focus of this course is to provide members with a hands-on opportunity to practice conduit bending using hand benders.

Course A:..... CF1 3/25
Start Date:..... Monday September 22, 2025
Time: 6:30pm – 9:30pm
Sessions: 10
Location:..... Toronto Training Centre

Course B:..... CF1 4/25
Start Date:..... Tuesday October 14, 2025
Time: 6:30pm – 9:30pm
Sessions: 10
Location:..... Oshawa Training Centre

COME TEACH WITH US!

We are looking for new instructors. Interested members should send a cover letter and resume to learning@ibew353.org outlining your trade experience and relevant training.

WELDING

Welding – The Fundamentals

Prerequisite – Third term Apprentice.

This course is designed as the first step for members interested in certified welding within the electrical trade. This fundamental course will allow the students to become familiar with the equipment and tools used to do Shielded Metal Arc Welding (SMAW) and oxy-acetylene cutting. Students will practice the SMAW stick process in the flat, horizontal, vertical up and overhead positions depending on the individual students' ability. All practical exercises will be reinforced through general class sessions that will include welding theory, safety and symbology.

****THERE IS A \$300.00 NON-REFUNDABLE FEE FOR A STUDENT KIT****

**IT MUST BE PAID PRIOR TO THE START OF THE FIRST CLASS
EITHER BY CHEQUE OR IN PERSON AT ANY OF OUR UNION HALLS OR
BY E-TRANSFER to: etransfer.education@ibew353.org**

Course A:..... WELD 2/25
Start Date:..... Wednesday September 3, 2025
..... **Runs Wednesday and Monday nights
Time:..... 6:30pm – 9:30pm
..... **Please note that the first class will start
..... at 6:00pm SHARP to facilitate the
..... distribution of PPE**
Sessions: 14
Location:..... Mississauga Training Centre
Fee:..... \$300.00 **non-refundable

Course B:..... WELD 3/25 **LIMITED SPACE AVAILABLE**
Start Date:..... Saturday October 18, 2025
Time:..... 8:30am – 4:30pm
..... **Please note that the first class will start
..... at 8:00am SHARP to facilitate the
..... distribution of PPE**
Sessions: 7
Location:..... Oshawa Training Centre
Fee:..... \$300.00 **non-refundable

Welding – Level I

Prerequisite – Third term Apprentice and successful completion of Welding – The Fundamentals or equivalent experience.

This course is designed as the second step for members interested in certified welding within the electrical trade. This Level I course will allow the student to become more familiar with the equipment and the tools used to do Shielded Metal Arc Welding (SMAW). Students will practice the SMAW stick process, honing their skills in the flat and horizontal positions, to prepare for the Canadian Welding Bureau (CWB) test on these two positions. Practical exercises will be reinforced through general class sessions that will include a continuation of welding theory, safety and symbology.

A testing date will be established closer to the end of the course for students who are ready. A separate charge will apply for testing costs. Members taking this course are asked to bring their original manual from the "Welding Fundamentals" course, as we will be adding material to it.

Course No.:..... WELD1 2/23
Start Date:..... Monday October 27, 2025
..... **Runs Monday and Wednesday nights
Time:..... 6:30pm – 9:30pm
Sessions: 14
Location:..... Mississauga Training Centre

NEW Aluminum Welding – Level I

Prerequisite – Third term Apprentice and successful completion of CWB welding course and documented current CWB 4-position welding tickets.

****LIMITED SPACE AVAILABLE****

This training course is the first course of two (2) levels, which will enable members to upgrade their welding skills in order to pass the Canadian Welding Bureau (CWB) test for aluminum welding.

This course covers ASME B31.1, Power Piping Code requirements for design, fabrication, inspection, and maintenance of piping in power and heating systems. This includes boiler external piping and high-pressure, high-temperature applications.

This course includes an explanation of the detailed requirements for various welding techniques – including butt welding and fillet welding. It will also cover welding procedures and techniques, and qualifications based on established criteria to ensure weld quality

To participate in this course, please bring:

- Cartridge respirator (new cartridges will be provided)
- Leather welding gloves
- Welding mask
- Leathers
- Existing PPE in good condition from previous course

Course A:..... WELD-AL1 1/25
Start Date:..... Tuesday October 14, 2025
..... **Runs Tuesday and Thursday nights
Time:..... 6:30pm – 9:30pm
Sessions: 14
Location:..... Oshawa Training Centre



ESTIMATING

*Electrical Estimating – Introduction

This course is ideal for electricians with a desire to learn the basics of producing electrical construction estimates. The course will take the students from an overview of electrical estimating to performing actual estimates.

The focus is on practical information rather than a textbook. This course is designed for the service-small jobbing environment and will offer an approach to material take-off including appropriate order and types of forms available.

Topics such as where to start, material, pricing, recapping and quotations are also covered.

Course A:..... IEE 3/25
Start Date:..... Wednesday September 17, 2025
Time: 6:30pm – 9:30pm
Sessions: 12
Location:..... Mississauga Training Centre

Course B:..... IEE 4/25
Start Date:..... Thursday October 2, 2025
Time: 6:30pm – 9:30pm
Sessions: 12
Location:..... Oshawa Training Centre

Computerized Electrical Estimating

Prerequisite – Computer literacy and successful completion of Electrical Estimating – Introduction.

This program uses Accubid software and is designed to teach individuals sound principles and proven methodologies of hands-on professional estimating. This course focuses on estimating techniques that emphasize accuracy and detail during takeoff. In addition to being taught hands-on techniques for counting and measuring materials during takeoff phase, students are shown how to organize those takeoffs into logical and functional breakdowns.

Throughout this course, students will exercise these principles and techniques by performing an instructor-led real-world type estimate using the latest in state-of-the-art Accubid software tools and materials.

Course No:..... CEE 2/25
Start Date:..... Tuesday September 23, 2025
Time: 6:30pm – 9:30pm
Sessions: 12
Location:..... Mississauga Training Centre



An organization's ability to learn, and translate that learning into action rapidly, is the ultimate competitive advantage.

JACK WELCH

GREEN INITIATIVES

Electric Vehicle Infrastructure Training Program

Prerequisite – Journeyperson Electrician or 5th term Apprentice with successful completion of all levels of trade school.

****NOTE: IN ORDER TO REGISTER, YOU MUST INCLUDE A COPY OF YOUR CURRENT 309A LICENSE and/or Skilled Trades Ontario CARD WITH YOUR REGISTRATION {or email to: learning@ibew353.org}**

The *Electric Vehicle Infrastructure Training Program (EVITP) – Phase 1* is the first level of training for the installation and maintenance of plug-in hybrid electric vehicle (PHEV) and electric vehicle (EV) infrastructure.

This course will cover the detailed concepts required for the proper installation and maintenance of the infrastructure including:

- Automobile manufacturer's charging performance integrity specifications
- EV battery types, specifications, and charging characteristics
- CEC calculated load for services and feeders as per Section 8 for residential and commercial
- Utility interconnect, notice, policies and requirements
- Charging station fundamentals including brand/model-specific installation for both Level 1 & Level 2 charging stations
- Service level assessments and upgrade implementation
- Canadian Electrical Code (CEC) standards and requirements, and
- First responder safety and fire hazard measures

At the end of the course, there is an industry exam available. **The student will be required to pay an additional fee of \$60 in order to sit the exam.** Upon successful completion of the course and passing the exam, students will receive a certificate from EVITP.

Students **MUST** bring a copy of the 2024 Canadian Electrical Code to class. It is not provided.

Course A:..... EVITP 4/25
Start Date: Saturday September 6, 2025
Time:..... 8:30am – 4:30pm
Sessions: 3 (plus exam)
Location:..... Barrie Training Centre

Course B:..... EVITP 5/25
Start Date: Saturday October 18, 2025
Time:..... 8:30am – 4:30pm
Sessions: 3 (plus exam)
Location:..... Mississauga Training Centre



SkillsPass gives millions of workers the ability to manage and share their training certificated. SkillsPass replaces the old system of paper-based certificates with an easy-to-use-application you can access by phone, tablet or computer. You can access your training certificates and licenses here.

For more information, please call 877-2020-0008 or go to <https://www.skillspass.com/>

*Introduction to Thermography

Many aspects of our industry are governed by temperature. From the terminations of conductors to the conductivity of disconnect switches, 'heat' is a big factor in the reliability and failures of our electrical equipment and installations. But what if you could see 'heat'? Thermal infrared imaging allows you to 'see' the anomalies before they become a dangerous risk of fire and personal injury.

This course introduces the student to hands-on Infrared Thermography (Thermal-Photography) and using in-class thermal imaging cameras, they get to see how heat is measured and recorded without ever making contact with a component. Unique thermal applications are discussed and demonstrated to showcase the incredible capabilities of this fascinating visual instrument.

As an electrical thermographer, there are a number of certification levels that can open up our industry to thermographic competency. From finding 'hot spots,' to qualifying predictive and preventative maintenance procedures, thermal scanning reveals what abnormalities the naked eye cannot see.

Course No:..... ITI 2/25
Start Date:..... Thursday September 25, 2025
Time: 6:30pm – 9:30pm
Sessions: 9
Location:..... Mississauga Training Centre

*First Aid and CPR

This is a two (2) session standard course where the participants receive training, testing and certification in both First Aid and CPR and a manual to keep for your own use.

In order to successfully meet the requirements of this program, you must be on time and attend 100% both days.

Course A:..... FA&CPR 5/25
Start Date:..... Saturday October 4 and
..... Sunday October 5, 2025
Time: 8:00am – 4:00pm
Location:..... Toronto Training Centre

Course B:..... FA&CPR 6/25
Start Date:..... Saturday November 8 and
..... Sunday November 9, 2025
Time: 8:00am – 4:00pm
Location:..... Mississauga Training Centre

Course C:..... FA&CPR 7/25
Start Date:..... Saturday November 29 and
..... Sunday November 30, 2025
Time: 8:00am – 4:00pm
Location:..... Oshawa Training Centre



Develop a passion for learning. If you do, you will never cease to grow.

ANTHONY J. D'ANGELO

*Bystander Intervention Training

Bystander Intervention Training is designed to provide the tools and strategies on how to safely intervene when witnessing harassment, bullying, and discrimination on the job or in our communities.

Bystander intervention training teaches people how to identify and respond to harmful or unethical behavior. The goal is to prevent the situation from escalating and to create a culture where harmful behavior is less likely to occur. You will learn to intervene in a non-confrontational, effective manner.

Course A:..... BST 1/25
Start Date:..... Saturday September 20, 2025
Time: 9:00am – 12:00pm
Location:..... Toronto Training Centre

Course B:..... BST 2/25
Start Date:..... Monday October 20, 2025
Time: 6:30pm – 9:30pm
Location:..... Toronto Training Centre

Course C:..... BST 3/25
Start Date:..... Saturday November 15, 2025
Time: 9:00am – 12:00pm
Location:..... Toronto Training Centre

Course D:..... BST 4/25
Start Date:..... Monday December 15, 2025
Time: 6:30pm – 9:30pm
Location:..... Toronto Training Centre

*Basic Certification – Part I

In order to meet Ministry of Labour and WHSC regulations 100% attendance is required to successfully complete this course.

This course will empower workers and health and safety representatives with a better understanding of the Occupational Health and Safety law. Members who take this program will be more effective health and safety representatives or joint committee members, or may train to become WHSC qualified health and safety instructors.

This program consists of sixteen core modules including an introduction to the Internal Responsibility System; employer responsibilities under occupational health and safety law; worker participation and their rights to participate in health and safety. The Ministry of Labour (MOL) inspector's role in enforcing the Act as well as the Joint Health and Safety Committees duties, functions and powers are also outlined in detail.

This program will also review the duties and qualifications of the certified member and their role regarding inspections, investigations, work refusals and interacting with MOL inspectors. Another key area we review in this program is the Health and Safety Policy and workplace hazard identification.

Course No:..... SAFE 2/25
Start Date:..... Monday September 15, 2025
Time: 6:30pm – 9:30pm
Sessions: 10
Location:..... Online

Certification Part II – Construction Sector Program

Prerequisite – Basic Certification - Part I

Before JHSC members can become fully certified, they are required to complete a second round of training commonly known as Certification Part II training. This training is designed to help certified representatives identify, assess and control, or better yet eliminate, hazards specific to their workplace.

The Construction Sector program covers the hazards of workplaces typical in the construction sector including worker trades committees; hazards of dust and fibres; electrical hazards; confined space entry hazards; hazards of cranes, hoists and rigging; welding hazards among others.

Course No:..... SAFE2 2/25
Start Date:..... Wednesday September 17, 2025
Time:..... 6:30pm – 9:30pm
Sessions: 10
Location:..... Online

Certification – Refresher

Prerequisite – Basic Certification - Part I and Part II

To maintain certification status, a JHSC member must complete Certification Refresher training every three (3) years. This training must involve a review of key concepts from Part 1 and Part 2 certification programs, updates to legislation, standards, codes of practice and occupational health and safety best practices. The training must also give certified members an opportunity to share and discuss best practices and current occupational health and safety issues.

Course No:..... CRT-R 1/25
Start Date:..... Tuesday December 2 and
..... Thursday December 4, 2025
Time:..... 6:30pm – 9:30pm
Location:..... Online

*Overhead Catenary Systems – Level I

The aim of this course is to provide the basic overhead catenary system knowledge required for accessing construction site safety and effectively for those who are directly or indirectly involved with overhead catenary system construction activities such as:

- A basic introduction to the OCS construction sites
- The technical terminology used when working on an OCS construction site
- The types of documentation associated with OCS construction sites and the recording and reporting procedures that need to be followed
- The general safety requirements for accessing OCS construction sites
- Understand the basic principles of the electrical and traction power system
- An overview of the specialist machinery and tools used to construct OCS.

At the end of the course, students will understand the rules and regulations required for personnel to access overhead line construction site safely and effectively and will qualify for *OCS Level II – OCS Construction Activities and Practical Skills*.

Course A:..... OCS 3/25
Start Date:..... Tuesday September 9, 2025
Time:..... 6:30pm – 9:30pm
Sessions: 3
Location:..... Oshawa Training Centre

Course B:..... OCS 4/25
Start Date:..... Saturday November 8, 2025
Time:..... 8:30am – 3:30pm
Sessions: 1
Location:..... Oshawa Training Centre

For the Fall 2025 semester, please note course restrictions for the following dates:

Stat Holidays – All training centres closed

Monday September 1 – Labour Day
Tuesday September 30 – National Day for
Truth and Reconciliation
Monday October 13 – Thanksgiving Day

North Unit Meetings –

No classes in Barrie

Tuesday September 9
Tuesday October 7
Tuesday November 11
Tuesday December 9

South Unit Meetings –

No classes in Toronto or Mississauga

Thursday September 11
Thursday October 9
Thursday November 13
Thursday December 11

East Unit Meetings – No classes in Oshawa

Wednesday September 10
Wednesday October 8
Wednesday November 12
Wednesday December 10

FALL 2024

309A Pre Exam Course

Arjan Al-jawad
Steven Cervnec
Isabel Fernandes
Shafwan Hashmi
David McCarthy
Kurt Mlynec
William Morin
Trevor Poulin
Chevaun Reid
Lucas Rubino
Usman Safi
Paul Strojwons
Mark Suchy
Nicholas Sully

A.C. Motor Control

Shelby Dow
Michael Harley
Wesley McKenna
Mitchell Mercer
Abdul Najim
Nicholas Sitarz

AutoCAD Essentials - Level I

Marcus Brown
Alodia Calixto
Nachum Chase
Jiashu Chen
Marcelo Cosico
Noah Cgerbec
Julius Jones-Carter
Anthony Pius
Cesar Valverde

Basic Certification Part I

Ethan Amiel
Giovanni Corsaro
Garry Ferreira
Sidharth Khanna
Blair Patriquin
Francisco Pereira
Igor Perisic
Trai Phillips
Otto Ritos
Jared Wachtel
Kiera Wai
Colin Yule

Certification Part II -

Contrstruction
Matthew Frasca
Kenneth Gallant
Nicholas Laine
Vito Lotti
Fausto Marin
Benjamin Porter
Paul Shrimpton
Michael Slaght

Certification Refresher

Catherine Ferguson

Computerized Electrical Estimating

James Castellani
Austin De Sousa
Mark Granieri
Shamar Hamilton
Leonard Heramhuk
Andrew Marges
Thomas Mucek
Devin Mueller
Mario Piscitelli
Bijan Sepanloo
Ishpinder Sidhu
Tyler White

Conduit Fabrication Level I 1

Nicholas Abboud
Nabil Azir
Ashley Baptiste
Aleksandar Blazeski
Isaiah Brigham
Cole Brown
Stevie Brown
Carmelo Casullo
Ian Chetena
Chen-Kuan Clement Yen
Damian De Francesco
Ryan Derome
Issac Djan
James Gatchell
Ievgenia Greenglaz
Nathan Grosso
Kyle Henderson
Brittany Iwanciwski
Julius Jones-Carter
Franco Molinaro
Mithusan Muralitharan
Colin Neagu
Nick Polyzois
Tyler Ramoutar
Javin Reid
Gianluca Satira
Sukhdev Singh
Rashawn Small
Ronaldo Vasquez-Lopez
Caleb Wallace
Brooke Willis

CSTT

Kenneth Gallant
Matthew Mastrella
Bryon Mora

Electric Vehicle Infrastructure Training Program

John Abel
Reimundo Areiza Morea
James Butler
Christopher DeFranco
Chris Dilauro
James Fagundes
Brian Forrest
Kyle Gaylog
Glen Gomes
Mykola Kardosh
Patrick Kern-Wronikowski
Mark Kunhan
Jesse Logan
Manjiit Mavi
Matthew Medeiros
Aron Michael
Craig Nahomey
Mander Natnael
Shawn O'Dwyer
Lenny Olin
Monique Palkowski
Jordan Richmond
Shawn Seegulam
Luis Soares
Alexandre Suzin
Connor Timewell
Vi Truong
Wan Yang Wang
Austin Warner
Kevin Velasquez-Martinez
Giovanni Velez

Electrical Code Review

Davis Barone
Alodia Calixto
Brad Crete
Robert Di Nino
Arash Eisaei
Alexandre Godinho
David Kremaszanka
Minwoo Lee
Ruben Madeira
Shaquille McPherson
Jorge Medeiros
Aron Michael
Arjan Moghaddam
Nicholas Monaco
Andrew O'Connor
Akmal Omarzayi
Andrew Pasquini
Trai Phillips
Miranda Quinto
Javin Reid
Joshua Reive
Otto Ritoas
Robert Russell
Juan Jose Soto Garcia
Rajendra Sukul
Mayra Tobar
Tyler Tsotsos

Electrical Estimating -

Introduction

Rauis Ali
Shane Ancio
Andrew Benson
Joshua Carfagnini
Iurie Cosor
Christian Dominicco
Camreon Farrell
Akbar Galmani
Jean Mammoliti
Cameron Nagy
Micah Ngamba
Nicholas Peixoto
Alexander Pena
Nathan Sachse
Benjamin Schembri
Jason Smith
Leonardo Valdez
Cesar Valverde
Gaige VanAsten
Santana Vargas

Fibre Optics - Level I

Stevie Brown
Ian Chetana
Gabriel Friguglietti
Ievgenia Greenglaz
Yousef Iguleim
Gavin McLuckie

Fire Alarm - Level I

Nicholas Brown
Michael Bull
Jonas Bumanglag
Matthew Cabral
Jiashu Chen
Pedro Da Silva
Christopher Engel
Stuart Fairlie
Adam Feliciani
David Ferrante
Daniel Fonseca
Jose Freitas
Nick Gallos
Marcus Gapic

Alex George
Mark Granieri
Shamar Hamilton
Brendan Heinz
Tyler Hiscott
Jacob Horvat
Keefe Lau
Neil Macdonald
Dante Magaton
Parminder Mahil
Alex Melchior
Phillip Magnante
Imraan Mohamoud
Daniel Ortega
Liam O'Toole
Dylan Page
Alisina Rad
Umer Rehman
Justin Robinson
Lovepreet Singh
Jesse Staruch
Todd Sumi
Kyle Swalton
Phen Tran
Alan Vanti
Josue Vera
Patrick Vivacqua
Wan Yang Wang
Jon Woolsey
Jack Wong
Esho Yousif
Wenshan Zhang
Hakam Zneemah

Fire Alarm - Level II

John Abel
Michael Ballesteros
Andrew Benson
Jamil Castro
Muhammad Cheema
Anthony Corringham
John Ensing-Schauerte
Sean Fong
Anthony Giansante
Sakasha Hewitt
Timothy Leong
Eduard Liobimski
Daniel Mirassol
Byron Mora
Thomas Mucek
Maciej Ptansznik
Jordan Richmond
Nicholas Sitarz
Cameron Smith
David Staeuble
Aaron Steeves
Anton Tchouikine
Zack Theriault
Tong Tong
Gaige VanAsten
Michael Vasconcelos

Fire Alarm - Level III

Robert Ariss
Ivan Baltic
Shayne Berzins
Steven Cameron
Brendan Chiu
Gordon Crimmin
Austin De Sousa
Ryan Furlong
Adam Gillespie
Connor Illes
Mykola Kardosh
Michael Kolis

Lucas Manou
Dwight Matthews
Timothy Millage
Luis Felipe Munoz-Orozco
Alex Paolozzi
Lucas Passarella
Tommy Pham
Michael Ruppel
Daniel Semaan
Alexandre Suzin
Stanley Tong
Nathaniel Valeije
James Voroshuk
Brandy Whipple
Adam Wolfenberg
Chang Hua Yeh

Fire Alarm - Level IV

Jameson Almai
Steven Alves
Boghos Bardizbanian
Paul Bukovec
Sun Ming Chan
Ryan Ciano
Nivholas DiGirolamo
Catherine Ferguson
Daryl Ferguson
Christian Grozdanovski
Andrew Hanlon
Michalis Hatzipavlou
Roman Hernandez
Homeir Kazemi
Abraham Khoshaba
Cyrill Leung
Weihoa Li
Matt McKenna
Mudassar Munir
Denny Ngen
Ajay Patel
Andre Peres
Gary Serpa
Roman Sheiman
Ramandeep Singh
Anthony Soares
Theodoros Traikos

Fire Alarm Renewal

Craig Arbic
Andre Bouilov
Paul Cameron
Stephen Carlini
Erik Ceschia
Jaye Chamberlain
Richard Duncan
Bradley Ferguson
Terence Fischer
Andrzej Guzikowski
Scott Harris
Hongsheng Huang
Leif Hudgson
Robert Kawasoko
Marko Kaczor
Yuriy Krayevskyy
Bryan London
Jose Martin-Noguera
Hansruedi Minnig
Sorin Motorga
Derek Norton
Greg Parker
Rick Pigat
Marc Pitek
Giuseppe Romano
Giovanni Scopacasa
Pawit Subwattanachai
Seann Tanner

Robert Tykei
Nicholas Valente
Sam Vuong
Martin Wentland
Michael Zlatar

First Aid & CPR

Brendan Alberto
Abdullah Al-Husseini
Mark Armstrong
Andrew Benson
Aleksandar Blazeski

Adam Brown
Cody Burgoyne
Jamil Castro
Bryan Coffey
Jason Crozier
Shelby Dow
Isabel Fernandes
Brendan Heinz
Evan Howe
Travis Johnston
Jason Katz
Alexandr Khizhnyak
Sergey Kuchin
Cody La Brie
Neil Macdonald
Mihai Muresan
Lenny Olin
Igor Perisic
Abdullah Rafi
Justin Seguin
Doug Stafford
Mayra Tobar
Victoria Wasiuk

Fluke Networks CCTT

Copper & Fibre

Glen Crockford
Karan Kuleen
Gagandeep Singh
Raymond Vella

Hubbell's Cabling 101

Joao Agapito
Christopher Beauchesne
Michael Bitaxi
Mitchell Christie
Chris Cilberti
Lucas Fortella
Michael Harley
Trevor Hutchinson
Minwoo Lee
Nicholas Mahadeo
Ken Pescod
Daniel Rizza
Tyler Schelfhaut
Laurie Stephenson
Kiera Wai

Instrumentation - The Fundamentals

Tom Batsanis
Glenn Chapman
Galen Crampsey
Patrick Dudkowsli
Brent Morgan
Andrew Sooklal
Kristopher Stephen
Julia Twardowski

Introduction to Thermography

Ardian Bano
Cara Habayeb
Luis Martinez
Artem Orel
Brandon Poole
Rajendra Sooknanan
Tielna Tuo
LeRoy Wilson
Aaron Zboch-Alves

Linux for Everyone

Thomas Buchmann
Peter Darnbrough
Ibram Isaac
Herb Johnson
Keefe Lau
Michelle Le-Claire
Fabio Lini
Luciano Picheca

Masters License - Pre-Exam

Maurizio Adragna
Simon Agramonte
Adrian Anderson
Tom Batsanis
Christopher Blackburn
James Boothe
Jared Brown
Anibal Calvo
Oscar Chu
Jahmar Currie
Michael Da Costa
Vince De Marti
Angelo Di Donato
Philip Dunn
Sina Edalatmand
Abel Fares
Daniel Fonseca
Michael Forbes
Sem Gallagher
Tony Gargano
Cory Gruyters
Zhuo Jie Guan
Trevor Howard
Emad Jalloul
Peter Kenny
Nicolas Kiriakakis
Daryl LeMay
Jordan Lichtfuss
Ryan Liningstone
Richard Lopresti
Hamish Madrus
Matthew Martins
Jeff Matias
Austin Middleton
Steven Morales
Kevin Mullin
Jason Nand
Su Cheon Noh
Michael Oliver
Gary Panter
Alexander Papachristos
Marco Pereira
Dan Pomeroy
Grigori Popov
Chris Power
Waly Qaqish
Michael Rocks
Cristian Rodrigues
Deon Rose
Sandro Sieveking
Mauro Siinardo
Jsaon Smith
Kyle Thompson
Ryan Trepanier
Evan Weatherston

Michal Zak
Xinfeng Zhang

Mental Health First Aid

Kenneth Gallant
Trevor Hutchinson
Jeff Merlin
Luna Miranda
Francisco Pereira
Justin Seguin
Robert Sweezie
Colin Yule

Mental Health

First Aid - Youth

Lucas Fortella
Kenneth Gallant
Stephanie Goulet
Trevor Hutchinson
Laurie Stephenson
Iolando Violante

Mentorship Matters

Peter Arrow
Trevor Hutchinson
Dean Knarr
Brandon McNeil
Mitchell Mercer

Overhead Catenary Systems - Level I

Stephanie Brown
Robert Di Nino
Shelby Dow
John Fortin
Jonas Gretton
Christian Grozdanovski
Roman Hernandez
Jakub Jezierski
Christopher Petruccielli
Matthew Piper
Mjesse Plaschka
Michael Slaght
Kenneth Webster

Programming Automation

Systems - Level I

Mostafa Adki
Sebastian Bautista
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