

IBEW LOCAL 353



Training Course Catalogue
Spring 2026



SPRING 2026 COURSE CALENDAR

REGISTRATION OPENS

Monday January 12, 2026 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

Spring 2026 Course Registration

Toronto Training Centre

1377 Lawrence Ave. East

Toronto, ON M3A 3P8



4. Fill out the registration form and deposit in the drop box at any of our training centres.

PHONE REGISTRATIONS ARE NOT ACCEPTED.

Registration opens **Monday January 12, 2026 at 7:30am** and are processed on a first-received-first-served basis.

Applications for second courses will be processed if space is available after **January 26, 2026**

*****Please note that registrations received PRIOR to January 12, 2026
are drawn **lottery-style** at the end of the day*****

CANCELLATION POLICY

If you need to withdraw from a course, please notify the Education and Training Department before the course start date. Early notice allows us to offer your spot to other members. If you will be absent or will be unable to attend after the course has started, please inform the department as soon as possible. Failure to comply with this policy can result in a \$75 administrative fee.



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



416.510.5265



learning@ibew353.org



<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

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

COURSES OPEN TO SENIOR APPRENTICES

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



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 \$500.00 per calendar year. **It takes approximately 4 – 8 weeks to process requests.** Reimbursement applications are available at the Local Union Office or on the IBEW Local 353 website.

From the Director's Desk

Welcome from Susan Boorman, Director of Education and Training

For those members who may be opening this course catalogue for the first time, WELCOME to IBEW Local 353's education and training programs.

Our department strives to keep current with ever changing and evolving technologies directly and indirectly related to our industry. Perhaps you are rusty, perhaps you're interested in new technology – either way, we are pleased to offer a lineup of courses to brush up on those skills or take the opportunity to challenge yourself in taking a course in a new field.

As members, education and training belongs to you. I look forward to seeing many more of you taking advantage of what we have to offer across our four training centres.

We continue to gift any member who successfully completes a course with an IBEW 353 Education and Training challenge coin. The coin will be sent to you with the course certificate of completion. Please note this is a one coin per member not one coin 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			Feb. 11		
A.C. Motor Control – Level I 'A'	6	Toronto					Feb. 21
A.C. Motor Control – Level I 'B'	6	Oshawa	Feb. 23				
Aluminum Welding – Level I	12	Oshawa		Mar. 31			
*Basic Certification – Part I	14	ONLINE			Feb. 25		
*Build Your Own Computer Basics	9	Toronto			Feb. 11		
Certification – Refresher	14	ONLINE		May 5			
Certification Part II – Construction Sector Program	14	ONLINE	Feb. 23				
Computerized Electrical Estimating 'A'	13	Mississauga		Feb. 3			
Computerized Electrical Estimating 'B'	13	Oshawa				Feb. 5	
*Conduit Fabrication Level I 'A'	11	Oshawa		Feb. 17			
*Conduit Fabrication Level I 'B'	11	Mississauga				Feb. 19	
*Conduit Fabrication Level I 'C'	11	Toronto	Feb. 23				
Electric Vehicle Infrastructure Training Program 'A'	13	Toronto					Feb. 21
Electric Vehicle Infrastructure Training Program 'B'	13	Barrie					Apr. 11
*Electrical Code Review	11	ONLINE		Feb. 10			
*Electrical Estimating – Introduction 'A'	13	Oshawa		Feb. 3			
*Electrical Estimating – Introduction 'B'	13	Mississauga			Feb. 4		
*Fibre Optics - Level I	9	Toronto	Feb. 23				
Fire Alarm – Level I 'A'	7	Mississauga	Feb. 2				
Fire Alarm – Level I 'B'	7	Toronto		Feb. 3			
Fire Alarm – Level I 'C'	7	Mississauga			Feb. 4		
Fire Alarm – Level II 'A'	8	Mississauga		Feb. 3			
Fire Alarm – Level II 'B'	8	Toronto			Feb. 4		
Fire Alarm – Level III 'A'	8	Mississauga	Feb. 2				
Fire Alarm – Level III 'B'	8	Toronto		Feb. 3			
Fire Alarm – Level IV 'A'	8	Mississauga		Feb. 3			
Fire Alarm – Level IV 'B'	8	Toronto			Feb. 4		
Fire Alarm – Level IV 'C'	8	Barrie					Feb. 7
Fire Alarm Certificate Renewal	8	ONLINE		Feb. 3			
*First Aid and CPR 'A'	15	Toronto					Feb. 7
*First Aid and CPR 'B'	15	Mississauga					Mar. 21
*First Aid and CPR 'C'	15	Barrie					May 2
*First Aid and CPR 'D'	15	Oshawa					May 23
Fluke Networks Certified Cabling Test Technician	9	Mississauga		Feb. 10			
*Instrumentation – Level I	7	Oshawa					Feb. 21
Instrumentation – Level II	7	Oshawa					Feb. 21
*Introduction to Thermography	14	Mississauga				Feb. 19	
Masters License – Pre-Exam	10	ONLINE	Jan. 26				
*Mental Health First Aid Certification	15	Toronto					Apr. 25
*Mental Health First Aid Essentials	15	ONLINE					Feb. 21
Networking – Level III	9	Toronto		Feb. 17			
*Overhead Catenary Systems – Level I	15	Oshawa					Apr. 11
*Programming Automation Systems – Level I	6	BLENDED	Mar. 16				
Programming Automation Systems – Level II	6	BLENDED			Mar. 18		
*Trade Applications 'A'	11	Mississauga		Feb. 17			
*Trade Applications 'B'	11	Toronto					Feb. 21
*Traffic Control and Signal Person & Ontario Traffic Manual (OTM) Book 7	6	Toronto				Mar. 19	
Welding – Level I	12	Mississauga			Mar. 25		
Welding – The Fundamentals 'A'	12	Mississauga	Feb. 2				
Welding – The Fundamentals 'B'	12	Oshawa					Feb. 7

SPRING 2026 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. These computerized circuits can then be put in a run mode and tested prior to wiring.

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

Course A:..... ACMC 1/26
Start Date:..... Saturday February 21, 2026
Time:..... 8:30am – 3:30pm
Sessions: 6
Location:..... Toronto Training Centre
Instructor: Cameron Bidwell

Course B:..... ACMC 2/26
Start Date:..... Monday February 23, 2026
Time:..... 6:30pm – 9:30pm
Sessions: 11
Location:..... Oshawa Training Centre
Instructor: Cameron Bidwell

*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.

Course No:..... PAS1 1/26
Start Date:..... Monday March 16, 2026
Time:..... 6:30pm - 9:30pm
Sessions: 6
Location:..... BLENDED [Online plus one (1) in-person
shop at Oshawa Training Centre]
Instructor: Ben Maynard

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.

Course No:..... PAS2 1/26
Start Date:..... Wednesday March 18, 2026
Time:..... 6:30pm - 9:30pm
Sessions: 6
Location:..... BLENDED [Online plus one (1) in-person
shop at Oshawa Training Centre]
Instructor: Ben Maynard

NEW

*Traffic Control and Signal Person & Ontario Traffic Manual (OTM) Book 7

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-OTM 1/26
Start Date:..... Thursday March 19, 2026
Time:..... 6:30pm – 9:30pm
Sessions: 6
Location:..... Toronto Training Centre
Instructor: Mike Rogge

NEW

*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 1/26
 Start Date:..... Saturday February 21, 2026
 Time:..... 8:30am – 3:30pm
 Sessions: 8
 Location:..... Oshawa Training Centre
 Instructor: Glenn Chapman/Mark Turner

NEW

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 loops performance.

Course No:..... INS-TPC 1/26
 Start Date:..... Saturday February 21, 2026
 Time:..... 8:30am – 3:30pm
 Sessions: 9
 Location:..... Oshawa Training Centre
 Instructor: Glenn Chapman/Mark Turner

Out of Trade Members

Members who are not at trade (NAT) do not qualify to take courses as they are not contributing to the education and training fund. This policy is in place to help protect the integrity of our training programs and ensure they remain available to those actively working in the trade under Local 353.

Please be aware, members NAT who attempt to register for any courses will not be accepted, with the exception of members who may be working under one of our individual collective agreements such as Toronto District School Board, University of Toronto or Chubb Edwards, etc.

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 1/26
 Start Date:..... Monday February 2, 2026
 Time:..... 6:30pm – 9:30pm
 Sessions: 14
 Location:..... Mississauga Training Centre
 Instructor: Scott Harris

Course B:..... FAI 2/26
 Start Date:..... Tuesday February 3, 2026
 Time:..... 6:30pm – 9:30pm
 Sessions: 14
 Location:..... Toronto Training Centre
 Instructor: Charles Veljkovic

Course C:..... FAI 3/26
 Start Date:..... Wednesday February 4, 2026
 Time:..... 6:30pm – 9:30pm
 Sessions: 14
 Location:..... Mississauga Training Centre
 Instructor: Akmal Omarzayi



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 1/26
Start Date:..... Tuesday February 3, 2026
Time:..... 6:30pm - 9:30pm
Sessions: 14
Location:..... Mississauga Training Centre
Instructor: Jon Shaw

Course B:..... FAII 2/26
Start Date:..... Wednesday February 4, 2026
Time:..... 6:30pm - 9:30pm
Sessions: 14
Location:..... Toronto Training Centre
Instructor: Neil Guyatt

Fire Alarm – Level III

Troubleshooting Complete Fire Alarm Systems, Voice Communications

Prerequisite – Successful completion of Fire Alarm – Level II and minimum fifth 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 1/26
Start Date:..... Monday February 2, 2026
Time:..... 6:30pm - 9:30pm
Sessions: 14
Location:..... Mississauga Training Centre
Instructor: Mark Steane

Course B:..... FAIII 2/26
Start Date:..... Tuesday February 3, 2026
Time:..... 6:30pm - 9:30pm
Sessions: 14
Location:..... Toronto Training Centre
Instructor: Malcolm Macdonald

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 1/26
Start Date:..... Tuesday February 3, 2026
Time:..... 6:30pm - 9:30pm
Sessions: 14
Location:..... Mississauga Training Centre
Instructor: Michael Arruda

Course B:..... FAIV 2/26
Start Date:..... Wednesday February 4, 2026
Time:..... 6:30pm - 9:30pm
Sessions: 14
Location:..... Toronto Training Centre
Instructor: Luis Pires

Course C:..... FAIV 3/26
Start Date:..... Saturday February 7, 2026
Time:..... 8:30am - 3:30pm
Sessions: 7 (shops at Mississauga on Saturdays)
Location:..... Barrie Training Centre
Instructor: Steve Trudel

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 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 (5) years.

Course No:..... FA REN 1/26
Start Date:..... Tuesday February 3, 2026
Time:..... 6:30pm - 9:30pm
Sessions: 14
Location:..... Online
Instructor: Mark Steane

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 **cooper 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 1/26
Start Date:..... Tuesday February 10, 2026
Time:..... 6:30pm - 9:30pm
Sessions: 12
Location:..... Mississauga Training Centre
Instructor: Jonathan Cuco

*Fibre Optics – Level I

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

- Fundamentals of light transmission
- Safe handling procedures
- Connector installation techniques
- Basic testing methods for fibre cables

Students will gain hands-on experience preparing and terminating a variety of fibre connectors from leading manufacturers. Connector styles covered include ST, SC, and LC, which are widely used in modern 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.

Upon successful completion, students will be able to apply their newly acquired skills directly on the job.

Course No: FOI 1/26
Start Date:..... Monday February 23, 2026
Time:..... 6:30pm - 9:30pm
Sessions: 12
Location:..... Toronto Training Centre
Instructor: Jason Smith

COMPUTER STUDIES

NEW

Networking – Level III

LAN Testers and Testing

Prerequisite – NCS TDA Networking I and/or II or Networking Level II.

This course provides an in-depth exploration of basic through advanced LAN testing tools and their practical use in troubleshooting network issues. Students will examine the capabilities and limitations of a wide range of diagnostic instruments as they progress from physical-layer analysis to Layer 2 and Layer 3 performance evaluation.

The course is organized into focused sections covering Fluke Networks tools, NetAlly solutions, traditional test equipment, and PC-based diagnostic functions. Hands-on learning is emphasized through extensive lab work conducted in the NCS Networking Lab, utilizing Cisco, HPE, Aruba, and other industry-standard switches and routers.

By the end of the course, students will be able to select and apply the appropriate tools and methods to effectively diagnose and resolve LAN issues across multiple layers of the network stack.

Course No:..... NET3 1/26
Start Date:..... Tuesday February 17, 2026
Time:..... 6:30pm - 9:30pm
Sessions: 9
Location:..... Toronto Training Centre
Instructor: Paul van Fraassen



*Build Your Own Computer Basics

Ever wanted to build your own computer, for home office or gaming, but didn't know where to start? What parts do you use? How much cost is too much.

This hands-on course is designed for everyone, regardless of experience level. You'll learn about each of the major components that make up a computer and gain practical experience by assembling your own system step by step throughout the course.

By the end, you'll understand how to identify which components to use, how and where to source them, and how to install them safely and effectively. You'll also explore the exciting world of computer customization, performance tweaking, and overclocking.

Course No:..... BYOC 1/26
Start Date:..... Wednesday February 11, 2026
Time:..... 6:30pm - 9:30pm
Sessions: 12
Location:..... Toronto Training Centre
Instructor: Michelle LeClaire

LICENSING & CLASSIFICATION

309A Pre-Exam Course

Prerequisite – Must be a fifth 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 1/26
Start Date:..... Wednesday February 11, 2026
Time:..... 6:30pm - 9:30pm
Sessions: 12
Location:..... Online
Instructor: Eric Silva

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.

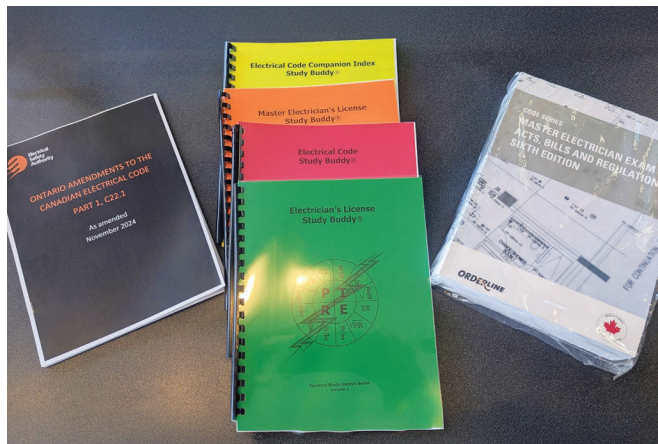
This exam prep course covers the latest Ontario Electrical Safety Code and related Government Acts and Regulations pertaining to Business Administration and Worker Safety as they relate to a Master Electrician. Topics include but are not limited to the Electricity Act, Ontario Regulation 570/05, the Construction Act, Occupational Health and Safety Act, and Workplace Safety and Insurance Act.

*****NOTE: A COPY OF YOUR 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.*****

**** ONLINE ATTENDANCE IS MANDATORY ON THE INTRODUCTORY NIGHT****

Course No:..... PEM 1/26
Start Date:..... Monday January 26, 2026
..... ****see schedule below**
Time:..... Weekdays – 6:30pm – 9:30pm
..... Saturdays – 9:00am – 4:00pm
Sessions: 17
Location:..... Online
Instructor: Marvin Rosenberg

Introductory Night**	Monday January 26		
Session 1	Wednesday Feb 11	Session 10	Saturday March 28
Session 2	Wednesday Feb 18	Session 11	Monday March 30
Session 3	Wednesday Feb 25	Session 12	Saturday April 4
Session 4	Wednesday March 4	Session 13	Wednesday April 8
Session 5	Saturday March 7	Session 14	Saturday April 11
Session 6	Wednesday March 11	Session 15	Monday April 13
Session 7	Saturday March 14	Session 16	Wednesday April 15
Session 8	Saturday March 21	ESA EXAM DATE TBD	
Session 9	Wednesday March 25		



*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

Course A:..... TRADE 1/26
Start Date:..... Tuesday February 17, 2026
Time:..... 6:30pm – 9:30pm
Sessions: 11
Location:..... Mississauga Training Centre
Instructor: Paul Fortino

Course B:..... TRADE 2/26
Start Date:..... Saturday February 21, 2026
Time:..... 8:30am – 3:30pm
Sessions: 6
Location:..... Toronto Training Centre
Instructor: Tom Takacs

*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 1/26
Start Date:..... Tuesday February 10, 2026
Time:..... 6:30pm – 9:30pm
Sessions: 10
Location:..... Online
Instructor: Marvin Rosenberg



**Education is the most powerful
weapon which you can use
to change the world.**

NELSON MANDELA

CONDUIT BENDING & FABRICATION

*Conduit Fabrication Level I

Prerequisite – Minimum first term Apprentice.

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 1/26
Start Date:..... Tuesday February 17, 2026
Time:..... 6:30pm – 9:30pm
Sessions: 10
Location:..... Oshawa Training Centre
Instructor: James Gribben

Course B:..... CF1 2/26
Start Date:..... Thursday February 19, 2026
Time:..... 6:30pm – 9:30pm
Sessions: 10
Location:..... Mississauga Training Centre
Instructor: Mauricio Herrera

Course C:..... CF1 3/26
Start Date:..... Monday February 23, 2026
Time:..... 6:30pm – 9:30pm
Sessions: 10
Location:..... Toronto Training Centre
Instructor: James Gribben



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 1/26
Start Date:..... Monday February 2, 2026
..... **Runs Monday and Wednesday nights
Time:..... 6:30pm – 9:30pm
..... ***first night starts at 6:00pm SHARP**
Sessions: 14
Location:..... Mississauga Training Centre
Fee:..... \$300.00 **non-refundable
Instructor: Ian Watt/Mark Granieri

Course B:..... WELD 2/26
Start Date:..... Saturday February 7, 2026
Time:..... 8:30am – 3:30pm
..... ***first day starts at 8:00am SHARP**
Sessions: 7
Location:..... Oshawa Training Centre
Fee:..... \$300.00 **non-refundable
Instructor: Ian Watt

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 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.

A testing date will be established closer to the end of the course. There is a separate charge for testing costs. Please bring your original manual from Fundamentals.

Course No:..... WELD1 1/26
Start Date:..... Wednesday March 25, 2026
..... **Runs Wednesday and Monday nights
Time:..... 6:30pm – 9:30pm
Sessions: 14
Location:..... Mississauga Training Centre
Instructor: Ian Watt

NEW

Aluminum Welding – Level I

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

This training course is the first of two (2) levels designed to help members upgrade their welding skills in preparation for the Canadian Welding Bureau (CWB) aluminum welding test.

This course covers the requirements of ASME B31.1 Power Piping Code, including the design, fabrication, inspection, and maintenance of piping used in power and heating systems. This encompasses boiler external piping as well as high-pressure and high-temperature applications.

Participants will receive detailed instruction on various welding techniques—such as butt welding and fillet welding—along with the related procedures, techniques, and qualification criteria established to ensure weld quality and compliance.

To participate in this course, please bring:

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

Course No:..... WELD-AL 1/26
Start Date:..... Tuesday March 31, 2026
..... **Runs Tuesday and Thursday nights
Time:..... 6:30pm – 9:30pm
Sessions: 14
Location:..... Oshawa Training Centre
Instructor: Al Hilts

Electric Vehicle Supply Equipment Technician (EVSE)

The Canadian version of the *EVSE Technician* course is now available.

This course is open to IBEW EVITP graduates and 309A Journeyperson Electricians and provides training for the maintenance and troubleshooting of EV chargers. There is **no charge** to complete the course, which has been designed to be 100% on-line and self-directed, taking approximately 20 hours to complete within a six-week time frame.

The course covers fundamentals of electric vehicles, the (EVSE) charging ecosystem and standard procedures.

For more information and to register, go to:
www.evsemaintenance.ca

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 1/26
Start Date:..... Tuesday February 3, 2026
Time:..... 6:30pm – 9:30pm
Sessions: 12
Location:..... Oshawa Training Centre
Instructor: James Black

Course B:..... IEE 2/26
Start Date:..... Wednesday February 4, 2026
Time:..... 6:30pm – 9:30pm
Sessions: 12
Location:..... Mississauga Training Centre
Instructor: Maciej Sosnowski

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 A:..... CEE 1/26
Start Date:..... Tuesday February 3, 2026
Time:..... 6:30pm – 9:30pm
Sessions: 12
Location:..... Mississauga Training Centre
Instructor: Maciej Sosnowski

Course B:..... CEE 2/26
Start Date:..... Thursday February 5, 2026
Time:..... 6:30pm – 9:30pm
Sessions: 12
Location:..... Oshawa Training Centre
Instructor: James Black

GREEN INITIATIVES

Electric Vehicle Infrastructure Training Program

Prerequisite – Journey person Electrician or fifth 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 *Electrical 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
- 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 Canadian or Ontario Electrical Code to class. **It is not provided.**

Course A:..... EVITP 1/26
Start Date:..... Saturday February 21, 2026
Exam Date: March 14, 2026 (at Toronto)
Time:..... 8:30am – 4:30pm
Sessions: 3 (plus exam)
Location:..... Toronto Training Centre
Instructor: Slava Rolinsky

Course B:..... EVITP 2/26
Start Date:..... Saturday April 11, 2026
Exam Date: May 2, 2026 (at Mississauga)
Time:..... 8:30am – 4:30pm
Sessions: 3 (plus exam)
Location:..... Barrie Training Centre
Instructor: Slava Rolinsky



It is the mark of an educated mind to be able to entertain a thought without accepting it.

ARISTOTLE

*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 1/26
Start Date:..... Wednesday February 25, 2026
Time:..... 6:30pm – 9:30pm
Sessions: 10
Location:..... Online
Instructor: Ralph Heath

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 1/26
Start Date:..... Monday February 23, 2026
Time:..... 6:30pm – 9:30pm
Sessions: 10
Location:..... Online
Instructor: Ralph Heath



Your employees learn by example. If they don't see you practicing good safety habits, they won't think safety is important.

ELECTRICAL CONSTRUCTION & MAINTENANCE

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 1/26
Start Date:..... Tuesday May 5 and Thursday May 7, 2026
Time:..... 6:30pm – 9:30pm
Sessions: 2
Location:..... Online
Instructor: Ralph Heath

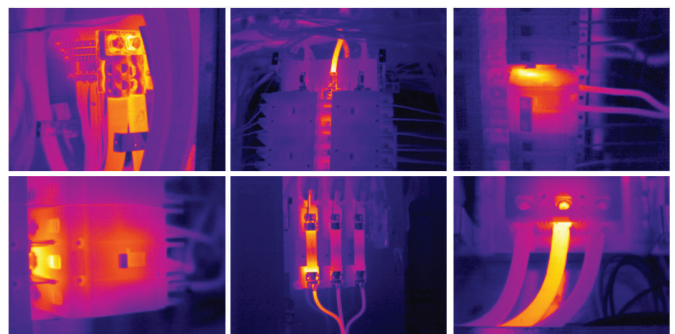
*Introduction to Thermography

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 1/26
Start Date:..... Thursday February 19, 2026
Time:..... 6:30pm – 9:30pm
Sessions: 9
Location:..... Mississauga Training Centre
Instructor: Mark Kowtiuk



*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 1/26
Start Date:..... Saturday February 7 and
..... Sunday February 8, 2026
Time:..... 8:30am – 4:30pm
Location:..... Toronto Training Centre
Instructor: John Chin

Course B:..... FA&CPR 2/26
Start Date:..... Saturday March 21 and
..... Sunday March 22, 2026
Time:..... 8:30am – 4:30pm
Location:..... Mississauga Training Centre
Instructor: John Chin

Course C:..... FA&CPR 3/26
Start Date:..... Saturday May 2 and Sunday May 3, 2026
Time:..... 8:30am – 4:30pm
Location:..... Barrie Training Centre
Instructor: John Chin

Course D:..... FA&CPR 4/26
Start Date:..... Saturday May 23 and Sunday May 24, 2026
Time:..... 8:30am – 4:30pm
Location:..... Oshawa Training Centre
Instructor: John Chin

*Mental Health First Aid Essentials

Mental Health First Aid (MHFA) Essentials provides participants with the knowledge, skills, and attitudes to offer initial support to someone who may be experiencing a decline in mental well-being or a mental health or substance use crisis until professional help can be accessed. This practical, skills-focused training helps learners build confidence in supporting others while also emphasizing self-care and personal well-being.

MHFA Essentials is part of a suite of introductory courses focused on core MHFA principles. These courses ****do not lead to formal certification**** but are designed to be accessible, time-efficient, and applicable across a wide range of settings. The Essentials format offers an effective foundation for individuals, teams, and community groups seeking meaningful training without formal assessment requirements.

Module 1:

- What is Mental Health?
- Elements of ALGES

Module 2:

- MHFA for Declining Mental Health
- Self-Care
- Crisis First Aid
- Wrap-Up and Closing

Course No:..... MHFA-E 1/25
Start Date:..... Saturday February 21 **AND**
..... Saturday February 28, 2026
Time:..... 8:30am – 12:00pm
Location:..... Online
Instructor: Cindy Krysac

*Mental Health First Aid Certification

Mental Health First Aid (MHFA) provides participants with the knowledge, skills, and confidence to support someone who may be experiencing a decline in their mental well-being or a mental health or substance-use crisis until professional help is available. The program also emphasizes self-care and maintaining personal well-being while supporting others.

This leading, evidence-informed certification program uses scenario-based learning to build practical skills and deepen participants' understanding of mental health challenges, contributing factors, and crisis response.

Module 1 Topics:

- What is mental health?
- Elements of ALGES

Module 2 Topics:

- MHFA for Declining Mental Health
- Self-Care
- Crisis First Aid
- Wrap-Up and Closing

Course No:..... MHFA-C 1/26
Start Date:..... Saturday April 25 **AND**
..... Sunday April 26, 2026
Time:..... 8:30am – 3:30pm
Location:..... Toronto Training Centre
Instructor: Cindy Krysac

*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 OCS construction sites and their working environment
- The technical terminology used when working on an OCS construction site
- The types of documentation associated with OCS construction, including recording and reporting procedures that must be followed
- The general safety requirements for accessing OCS construction sites
- An understanding of the basic principles of electrical and traction power systems
- An overview of the specialist machinery and tools used in OCS construction

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

Course No:..... OCS 1/26
Start Date:..... Saturday April 11, 2026
Time:..... 8:30am – 3:30pm
Sessions: 1
Location:..... Oshawa Training Centre
Instructor: Joanne Chumbley-Ward

IBEW 353 EDUCATION AND TRAINING

LEARN MORE, BE MORE.

Locations In:

Barrie Mississauga Oshawa Toronto



www.ibew353.org



Email: learning@ibew353.org

Phone: 416.510.3530

Fax: 416.510.5285

